



CITY OF SOMERVILLE

ANNUAL REPORTS.

1885.



BOSTON:

FRANKLIN PRESS: RAND, AVERY, AND COMPANY.

1886.

CITY GOVERNMENT AND OFFICERS FOR 1885.

MAYOR.

MARK F. BURNS.

Residence, 95 Perkins Street ; office, City Hall.

ALDERMEN.

HIRAM D. SMITH, *President*.

WARD ONE.

NATHAN A. FITCH	.	.	.	.	.	Franklin Street.
MOSES G. STEELE	.	.	.	.	.	Rush Street.

WARD TWO.

SAMUEL G. A. TWYECROSS	.	.	.	.	.	Warren Avenue.
FRANKLIN R. PERRY	.	.	.	.	.	Pleasant Avenue.

WARD THREE.

HIRAM D. SMITH	.	.	.	.	.	Cross Street.
DANIEL C. STILLSON	.	.	.	.	.	Tennyson Street.

WARD FOUR.

IRVING L. RUSSELL	.	.	.	.	.	Broadway.
ALBERT M. ROBINSON	.	.	.	.	.	Belmont Street.

CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN.

COMMON COUNCIL.

HERBERT C. HALL, *President*.

WARD ONE.

FRANK A. TITUS	.	.	.	.	Flint Street.
ELBRIDGE G. PARK	.	.	.	.	Arlington Street.
JOHN MANNING	.	.	.	.	Medford Street.
NATHAN H. REED	.	.	.	.	Florence Street.

WARD TWO.

DANA W. BENNETT	.	.	.	.	Washington Street.
SAMUEL W. HOLT	.	.	.	.	Washington Street.
CHARLES A. WOODBERRY	.	.	.	.	Berkeley Street.
NEWELL F. CASWELL	.	.	.	.	Union Square.

WARD THREE.

JOHN F. KENNARD	.	.	.	.	Howe Street.
HARRISON ALDRICH	.	.	.	.	Gilman Street.
ALBERTO P. CLARK	.	.	.	.	Main Street.
EDWARD O'BRIEN	.	.	.	.	Lowell Street.

WARD FOUR.

HERBERT C. HALL	.	.	.	.	Summer Street.
ISRAEL C. EARLE	.	.	.	.	Irving Street.
BERNARD W. LAWRENCE	.	.	.	.	Holland Street.
WALTER C. MENTZER	.	.	.	.	Hall Street.

CLERK OF COMMON COUNCIL.

DOUGLAS FRAZAR.

JOINT STANDING COMMITTEES FOR 1885.

ACCOUNTS. — Aldermen Twycross, Robinson ; Councilmen Park, Aldrich, Woodberry.

BURIAL-GROUNDS. — Aldermen Perry, Stillson ; Councilmen Kennard, Reed, Lawrence.

CITY ENGINEERING. — Aldermen Russell, Steele ; Councilmen Titus, Kennard, Mentzer.

CLAIMS. — His Honor the Mayor, *ex officio*; Alderman Fitch; the President of the Council, *ex officio*; Councilmen Woodberry, Clark.

FINANCE. — His Honor the Mayor, *ex officio*; Aldermen Smith, Twycross; the President of the Council, *ex officio*; Councilmen Park, Bennett, Earle, Clark.

FIRE DEPARTMENT. — Aldermen Robinson, Perry; Councilmen Holt, Kennard, Mentzer.

FUEL AND STREET-LIGHTS. — Aldermen Steele, Robinson; Councilmen Woodberry, Aldrich, Reed.

HIGHWAYS. — Aldermen Smith, Russell; Councilmen Holt, Manning, O'Brien.

LEGISLATIVE MATTERS. — His Honor the Mayor, *ex officio*; Alderman Robinson; the President of the Council, *ex officio*; Councilmen Titus, Bennett.

ORDINANCES. — Aldermen Fitch, Twycross; Councilmen Park, Bennett, Mentzer.

PRINTING. — Aldermen Stillson, Steele; Councilmen Aldrich, Earle, Caswell.

PUBLIC PROPERTY. — Aldermen Perry, Stillson; Councilmen Titus, Caswell, Lawrence.

SOLDIERS' RELIEF. — Aldermen Fitch, Russell; Councilmen Manning, Earle, Clark.

WATER. — Aldermen Steele, Robinson; the President of the Council; Councilmen Reed, O'Brien.

COMMITTEES OF THE BOARD OF ALDERMEN.

(STANDING COMMITTEES.)

ELECTIONS. — Aldermen Russell, Fitch.

ENROLLED ORDINANCES. — Aldermen Smith, Perry.

LICENSES. — Aldermen Russell, Perry.

POLICE. — His Honor the Mayor, *ex officio*; Aldermen Fitch, Twycross.

SEWERS. — Aldermen Twycross, Fitch, Stillson.

STATE AID. — Aldermen Steele, Russell, Smith, Perry.

(SPECIAL COMMITTEE.)

BUILDING PERMITS. — Aldermen Smith, Robinson.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Caswell, Holt, O'Brien.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Manning, Clark, Lawrence.

SCHOOL COMMITTEE.

MARK F. BURNS, Mayor, Chairman, *ex officio*.HERBERT C. HALL, President of the Common Council, *ex officio*.

(Term, three years.)

WARD ONE.

JOHN H. BUTLER (elected 1884)	.	.	Pearl Street.
HENRY M. MOORE (elected 1882)	.	.	Myrtle Street.
HORACE C. WHITE, M.D. (elected 1883)	.	.	Pinckney Street.

WARD TWO.

REV. GEORGE W. DURELL (elected 1882)	.	.	Summer Street.
MRS. CORNELIA B. SKINNER (elected 1883)	.	.	High Street.
CHARLES I. SHEPARD (elected 1884)	.	.	High Street.

WARD THREE.

NORMAN W. BINGHAM (elected 1882)	.	.	School Street.
Q. E. DICKERMAN (elected 1883)	.	.	Central Street.
WILLIAM P. HILL (elected 1884)	.	.	Sycamore Street.

WARD FOUR.

MARTIN W. CARR (elected 1884)	.	.	Craigie Street.
PROFESSOR BENJAMIN G. BROWN (elected 1882)	.	.	Professors' Row.
H. P. MAKECHNIE, M.D. (elected 1883)	.	.	Elm Street.

Superintendent and Secretary, J. H. DAVIS, Myrtle Street.

PRINCIPAL ASSESSORS.

(Term, three years.)

STILLMAN H. LIBBY (elected 1883), <i>Chairman</i> ,	Elm Street.
GEORGE W. HADLEY (elected 1885)	Perkins Street.
BENJAMIN F. THOMPSON (elected 1884)	Summit Avenue.

ASSISTANT ASSESSORS.

(Term, one year.)

GEORGE W. BARTLETT, Ward One	.	.	Mt. Vernon Street.
WILLIAM A. FLAHERTY, Ward Two	.	.	Union Square.
REUBEN A. MELVIN, Ward Three	.	.	Bonair Street.
SAMUEL T. RICHARDS, Ward Four	.	.	Summer Street.

BOARD OF HEALTH.

(Term, Physician, three years; other members, two years.)

GEORGE A. KIMBALL (appointed 1885),	<i>Chairman.</i>	Office, City Hall.
GEORGE C. SKILTON (appointed 1884)	.	Walnut Street.
THOMAS M. DURELL, M.D. (appointed 1885),		Bow Street.
<i>Clerk,</i> GEORGE I. VINCENT	.	Office, City Hall.
<i>Inspector,</i> WILLIAM H. BRINE	.	40 Houghton Street.

COMMISSIONERS OF THE SINKING-FUNDS.

(Term, three years.)

NATHAN TUFTS (elected 1883)	.	.	Summer Street.
HENRY F. WOODS (elected 1885)	.	.	Sycamore Street.
EZRA D. CONANT (elected 1884)	.	.	Pearl Street.
<i>Treasurer,</i> AARON SARGENT,			Broadway.

OVERSEERS OF THE POOR.

MARK F. BURNS, *Mayor, Chairman, ex officio.*
 HERBERT C. HALL, *President Common Council.*

(Term, three years.)

THOMAS CUNNINGHAM (elected 1884)	.	.	Oak Street.
GEORGE W. WASHBURNE (elected 1883 for unexpired term)	.	.	Lincoln Street.
EDWARD GLINES (elected 1885)	.	.	Highland Avenue.

SOMERVILLE MYSTIC WATER BOARD.

(Term, one year.)

J. ORLIN HAYDEN, <i>President</i>	.	Hill Building, Union Square.
WALTER S. BARNES	. . . . .	Highland Avenue.
CHARLES H. BROWN	. . . . .	Sycamore Street.
JOHN M. WOODS	. . . . .	School Street.
MILO CRANE	. . . . .	Rush Street.

Superintendent of Water-Works, NATHANIEL DENNETT.

Office, Prospect Street, cor. Somerville Avenue.

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

GEORGE A. BRUCE (elected 1884 for unexpired term)	. . . . .	Highland Avenue.
WILLIAM E. WELD (elected 1884)	. . . . .	Harvard Street.
WILLIAM VEAZIE (elected 1884)	. . . . .	Walnut Street.
WILLIAM H. BRINE (elected 1883)	. . . . .	Highland Avenue.
SANFORD HANSCOM, M.D. (elected 1885 for unexpired term)	. . . . .	Webster Street.
CHARLES S. LINCOLN (elected 1885)	. . . . .	Laurel Street.
CHARLES G. POPE (elected 1885)	. . . . .	Franklin Street.
J. HENRY FLITNER (elected 1883)	. . . . .	Day Street.
CHRISTOPHER E. RYMES (elected 1885)	. . . . .	Summer Street.

Librarian, HARRIET A. ADAMS.*Assistant Librarian*, LIZZIE A. STEVENS.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN. Office, City Hall.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE. Office, City Hall.

CITY MESSENGER.

JAIRUS MANN. Office, City Hall.

CITY SOLICITOR.

SAMUEL C. DARLING. Office, 18 Rogers Building, Boston.

CITY AUDITOR.

DOUGLAS FRAZAR. Office, City Hall.

CITY ENGINEER.

GEORGE A. KIMBALL. Office, City Hall.

SUPERINTENDENT OF STREETS.

FRANK G. WILLIAMS, Albion Street. Office, City Hall.

CHIEF OF POLICE.

MELVILLE C. PARKHURST, Police Station, Bow Street.

CHIEF OF FIRE DEPARTMENT.

JAMES R. HOPKINS. Office, Engine House, Highland Avenue.

INSPECTOR OF BUILDINGS.

ELIJAH WALKER, Pleasant Avenue.

CITY PHYSICIAN.

THOMAS M. DURELL, M.D., 14 Bow Street.

CLERK OF ASSESSORS AND COMMITTEES.

GEORGE I. VINCENT. Office, City Hall.

ASSISTANT CLERK OF ASSESSORS AND COMMITTEES.

WILLIAM P. MITCHELL. Office, City Hall.

CONSTABLES.

JAIRUS MANN.	WM. H. BRINE (Houghton St.).
ROBERT R. PERRY.	WILLIAM D. HAYDEN.
HORACE B. RUNEY.	SAMUEL R. DOW.
CHARLES C. FOLSOM.	JOSEPH J. GILES.
EDWARD MCGARR.	GEORGE CULLIS.

FIELD-DRIVERS.

CHARLES C. FOLSOM.	HERBERT H. MILLER.
JOHN E. FULLER.	EDD. F. FALES.
JUDSON W. OLIVER.	GEORGE W. BEAN.
GEORGE H. CARLETON.	

FENCE-VIEWERS.

DAVID A. SANBORN.	CHARLES D. ELLIOT.
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POUND-KEEPER.

CHARLES A. SMALL.

SEALER OF WEIGHTS AND MEASURES.

NOAH HARDING, Sycamore Street.

SURVEYOR OF WOOD, BARK, AND LUMBER.

SAMUEL T. LITTLEFIELD.

SURVEYOR OF STONE, BRICK, AND PLASTER WORK.

ALFRED M. SIBLEY.

SURVEYOR OF MECHANICS' WORK.

CHARLES D. ELLIOT.

PUBLIC WEIGHER.

J. C. COUSINS.

UNDERTAKERS.

HORACE B. RUNEY.	A. L. SANBORN.	PATRICK RAFFERTY.
WILLIAM A. FLAHERTY.	P. H. RAFFERTY.	HORACE D. RUNEY.
E. H. MARSH.	THOMAS J. BARKER.	

POLICE DEPARTMENT.

M. C. PARKHURST, *Chief*.

R. R. PERRY, <i>Captain</i> .	S. R. DOW, <i>Sergeant</i> .
C. C. FOLSOM, <i>Sergeant</i> .	EDWARD MCGARR, <i>Sergeant</i> .
C. C. CAVANAGH.	P. W. SKINNER.
JOHN E. FULLER.	S. A. BROWN.
A. L. STAPLES.	JOHN HAFFORD.
J. W. OLIVER.	IVAN LAIGHTON.
GEORGE W. BEAN.	M. H. KINSLEY.
GEORGE L. SMITH.	G. A. BODGE.
EDWARD M. CARTER.	DENNIS KELLY.
E. F. FALES.	GEORGE H. CARLETON.
J. F. JOHNSON.	H. H. MILLER.
E. A. CARTER.	

M. C. PARKHURST, *Lock-up Keeper*.

MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

COMMON COUNCIL.

Thursday evenings following the second and fourth Wednesdays of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

MAYOR'S INAUGURAL ADDRESS.

DELIVERED JAN. 5, 1885.

The funded debt is as follows:—

[illegible]

The unfunded liabilities are for temporary loans \$175,000, and this amount is exceeded by uncollected taxes, assessments and other assets by \$9,278, leaving the net debt of the city \$1,068,089.

The net debt of the city one year ago, according to the treasurer's report, was \$1,101,094, showing that the net indebtedness of the city has been reduced the past year \$33,005. The following table will show the annual reduction in the net debt since 1876, when the city debt was largest:—

1877	.	.	.	.	.	.	.	.	.	.	\$34,446
1878	.	.	.	.	.	.	.	.	.	.	44,196
1879	.	.	.	.	.	.	.	.	.	.	72,345
1880	.	.	.	.	.	.	.	.	.	.	23,971
1881	.	.	.	.	.	.	.	.	.	.	50,333
1882	.	.	.	.	.	.	.	.	.	.	94,169
1883	.	.	.	.	.	.	.	.	.	.	74,172
1884	.	.	.	.	.	.	.	.	.	.	33,005

It will be noticed that the reduction of the net debt last year was about \$40,000 less than the average of the three preceding years. This is owing to the fact that the city council, in the annual appropriations or the tax levy, made no provision for the cost of the two new schoolhouses, the library building, or the purchase of text-books; the members deeming it more wise to use the surplus, nearly \$46,000, then on hand, than to increase the rate of taxation. The surplus now on hand is less than \$10,000, or about enough to complete the library building, the contract for which has already been awarded. This year, to fulfil the requirements of the law, the debt must be reduced about \$70,000; and this amount, together with the amount necessary for current expenses, must be raised by taxation.

The real estate in the city was valued last year at \$22,587,700, the personal property at \$1,743,400; total, \$24,331,100. It was taxed \$16.60 on each \$1,000, and together with 7,427 polls assessed, made \$418,750.26, the amount of the tax levy.

Bonds to the amount of \$473,500 came due in 1884; and their payment was provided for by the issue of \$74,500 in bonds bearing five per cent interest, which were all taken by the commissioners of the sinking-funds, and \$399,000 in bonds bearing four per cent interest, which were sold on the market. The fact that these four per cent bonds brought a premium of \$3,710.70 proves that Som-

erville credit is good. The reduction in the rate of interest on these bonds will save the city annually nearly \$10,000.

HIGHWAYS.

The highway department cost the city the past year \$35,500.

Owing to the expenditure of the principal part of the appropriation during the past few years upon new work, the older streets and principal thoroughfares have been somewhat neglected, and some of them are sadly in need of repairs. The city is rapidly growing, and it is probable that petitions for the acceptance and building of many streets will be presented during the year; and while the building of such streets would be a public benefit, still it would, without doubt, be unwise to accept many more streets until those already accepted have been built, and existing streets put in good condition. It is likely that under the present circumstances, having so many calls for money in the other departments, the city council will not deem it proper to appropriate a sufficient amount of money for this department to accomplish all that is desired, and the members may feel obliged to postpone some improvements. It is generally understood that the grade of Linwood Street will be raised, and the street put in good condition; thereby increasing the value of property in that vicinity, and affording great satisfaction not only to our own citizens, but to the travelling public generally. Washington Street, another of our principal thoroughfares, should be attended to as soon as possible. Without mentioning any other streets where money should be used for the same purpose, I will say that, in my opinion, a liberal portion of the appropriation we shall be able to make this year should be used in repairs.

STREET-LIGHTS.

There are three hundred and seventy-six gas and sixty-seven naphtha lamps used in lighting the streets. The care and maintenance of the same, and the lighting of the streets, cost the city a little over \$7,000 the past year, or about \$1,000 less than it did eight years ago.

It seems to be the opinion of the people generally, as it is mine, that we can make an improvement in the management of this department. I doubt the wisdom of carrying on this business under the contract system, as at present; if this is the cheapest way, it

gives the least satisfaction. The work should be done under the direction of the committee on street-lights, with the aid of a superintendent and a more liberal appropriation.

I recommend that an ordinance be enacted providing for the appointment of a superintendent of street-lights and school-buildings, whose duty it shall be to take charge of the street-lights under the direction of the committee, — see that the lamps are properly cared for and lighted, and put out at night according to directions; he should have the care of the school-buildings, and, under the direction of the committee on public property, oversee the repairs and alterations of the same, and direct and instruct the janitors in the discharge of their duties. I believe that many of the difficulties in heating and ventilating the school-buildings might be overcome by energetic and intelligent action on the part of the janitors. It seems to me that the services of an active, competent man, who would devote his whole time to the duties of the position, might be employed to advantage in these departments, the result of which would be a saving to the city.

SEWERS.

As it is not likely that any expensive sewers will be called for during the coming year, it is probable that the expenses of this department will be considerably reduced. Two and three-hundredths miles of new sewers were built in 1884, and three-tenths of a mile rebuilt, the total cost of which was \$22,220. About \$14,400 of this amount was paid by the owners of the property drained. We have in all thirty-six and one-half miles of sewers in our system, all of which have been built since 1867, at a cost to the city and to the property-owners of over \$638,000, beside over \$25,000 expended for maintenance. These facts show that on the whole, the city is well drained, and that it is doubtful, if, under the circumstances, it would be wise to devote as much money to this purpose as has been used during the past few years. The department paid in 1883 \$1,662.56, and in 1884 \$1,714.70, for cleaning and dredging at Craigie Bridge. In the opinion of the Cambridge authorities, this work must be done each year; if so, it will be a large expense, and if possible some way should be provided by which the sewer may be extended or changed to prevent the deposit.

SCHOOLS.

It is hoped that the board of education will be able to devise some means to lessen the expenses, without impairing the efficiency, of our schools. Their support cost the city last year \$106,473.57. We have twenty school-buildings in the city, and one hundred and two schools, in charge of one hundred and fifteen teachers, — eight male, and one hundred and seven female.

Number of scholars in attendance in January last . . .	4,753
Number of scholars in attendance in December . . .	4,984
Whole number registered during year	6,014
Average daily attendance	4,537

The city is rapidly growing; over two hundred new dwelling-houses having been built during the past year, and the number of persons between five and fifteen years of age having increased five hundred and fifty-four. To provide for the constantly increasing number of scholars, two new school-buildings, each containing four schoolrooms, have been erected during the past season; one on the city's land on Tufts Street, at a cost of about \$13,250, and one on School Street, which cost, together with the land, about \$15,250. It is probable that this city council will be called upon to build another during the coming season, in the vicinity of Cedar Street, to relieve the schools in that neighborhood. If one is built, it should be made large enough to not only provide for the present needs, but for future necessities. The danger in a growing community is that the school-buildings will be made too small; they should be double the capacity required at present, or built in such a way that their capacity may be doubled at some future time, as was done in the case of the Edgerly Schoolhouse. All school-buildings containing over two schoolrooms should be built of brick, as brick buildings are not only more substantial and ornamental, but are the most economical in the end.

FIRE-DEPARTMENT.

The apparatus in active service in the fire-department consists of one steam fire-engine, five hose-carriages, and one hook-and-ladder truck; and, in addition to these, one relief-steamer, one hook-and-ladder truck, and one relief hose-carriage. All are in

first-class condition. We have 5,550 feet of good, serviceable cotton hose. The manual force consists of sixty-one men, distributed as follows : —

1 engine company	12 men
1 hook-and-ladder company	15 “
4 hose companies	32 “
1 chief of department.	
1 assistant engineer.	

The force is large enough to handle properly the apparatus that is now in active service.

The amount granted the committee for use in this department in 1884 was \$22,000.

POLICE.

Our police force, considering its size, is very efficient. It consists of a chief, captain, three sergeants, and sixteen patrolmen.

The appropriation last year was \$22,500.

THE POOR.

The overseers were granted \$15,000 the past year, and they have given relief to about six hundred persons. While we have no reason to suppose that any thing but the most commendable care has been exercised in the management of this department, and every measure of economy adopted, still it is evident, that, with the constantly increasing demands upon our charity, an increased amount must be expended, and increased labor performed by the overseers. In view of these facts, I suggest for your consideration the plan of enacting an ordinance providing for the appointment of a superintendent of the poor department, whose duty it should be, under the direction of the overseers, to look up the settlements of those to whom relief is extended, keep the records, keep the stores and deliver the goods, and be on duty at all times ready to give immediate assistance when necessary, and to devote his whole time and attention to the business. It would seem that the expenditure is large enough, and the business important enough, to warrant the adoption of such a plan.

HEALTH.

The sanitary condition of the city has been greatly improved during the past few years, as is evidenced by a reduced rate of

mortality, the cause of which may be traced to our extended system of sewers and intelligent action on the part of the board of health. While at present the city is remarkably free from contagious diseases, it is possible that we may be visited in the near future by the one most dreaded of all, the cholera. It seems to be the opinion of our most learned physicians that we cannot hope to escape it. This being the case, unusual care and activity is expected from the board of health, and every facility should be afforded them, and the necessary funds furnished them to carry out any measures intended to protect the public health. The sanitary condition of every dwelling should be examined by a competent person, and all defects remedied; sewers should be ventilated, and all decomposing animal and vegetable matter removed at once, and the streets kept clean.

PUBLIC LIBRARY.

The appropriation in 1884 was \$1,500, and the amount received from dog licenses \$1,307.75, making in all \$2,807.75. This amount was expended for salaries and in making valuable additions to the circulating and reference books. To show how well the institution has been patronized during the past year, I give the following statistics:—

Whole number of books in library	11,197
Number issued during the year	72,591
Largest issue in one month (March)	7,381
Largest issue in one day (March 15)	667
Daily average	237
Number of books purchased during year	722

Never since the public library was established have our citizens received the full benefit from the institution, on account of the fact that the room occupied by it has been too small to allow of its being properly managed. It has been impossible to suitably classify the books, there has been no reading-room, and the people have not been able to examine the reference books with any degree of comfort. Owing to the unfavorable condition of our finances, and the great demand upon our resources, we have been unable until quite recently to provide any better accommodations. Early in the past year the trustees, all interested in the welfare of our municipality, decided to ask the city council to build a new library

building upon the land owned by the city on Central Hill, feeling that the time had come when the city could afford it. A petition was presented to the city council making the request, which was favorably acted upon, and resulted in the erection of a new building upon the city's land near the City Hall, which, when completed, will cost about \$26,000. It will be an elegant building and a substantial addition to our public property, of which the citizens may well be proud. Its management and growth will require an increased appropriation; but it must be remembered that it is a part of our educational system, which should be supported as liberally as the public schools.

CITY HALL.

On completion of the library-building the room now occupied for the library in the City Hall will be vacated, and it is very much needed for the use of the city officers. I recommend that it be utilized in part by the building of large fire-proof vaults for the use of the assessors and treasurer, using the vault now occupied by the treasurer to increase the accommodations in the city clerk's office. Many valuable books and documents are now kept in wooden bookcases, in danger of loss by fire; and, as they could not be replaced, they should be put into a fire-proof safe as soon as possible, thereby fulfilling the requirements of the law.

CENTRAL-HILL IMPROVEMENT.

The amount devoted to this purpose in 1884 was \$1,000. A part of this appropriation has been used by direction of the city council, in beginning the erection of a battery near the High Schoolhouse, the guns of which have been donated by the Government of the United States, and the object of which, in part, is to mark the spot where earthworks were thrown up and occupied by our troops in the beginning of the Revolutionary war, but more particularly to serve as a monument to the memory of those patriotic citizens who offered their lives to their country in the great civil war, that the Union might be preserved. It is hoped the work will be speedily completed; and, with the memorial tablets that are to be placed in the library-building, it will, to some extent at least, show our appreciation of the matchless services of the noble and patriotic men to whom the nation is under the most

solemn obligations. It will also be the occasion of congratulation on the part of all such citizens that their services are at last properly recognized.

SUITS AT LAW.

At present the city is remarkably free from litigation, with no important suits pending.

There are only eleven cases on the solicitor's docket, four of which are accident cases, which will be tried during the present term. During the past year there has not been a verdict against the city for damages, personal or otherwise, on the highways, and only two during the past nine years, in one of which cases the verdict was \$225 and in the other but \$108. Seventeen cases have been disposed of during the past year. There are at present no assessment cases pending in court.

WATER CONTRACT.

The following statistics show conclusively to my mind that the contract now existing between Somerville and Boston for the supply of Mystic water is unjust, and that a determined effort should be made during the coming year to secure a new contract, or a modification of the old one.

Our water-works cost	\$342,608 76
We have paid for maintenance	89,928 13
We have paid for interest	265,402 62
Total cost	<u>\$697,939 51</u>
From which take amount received from city of Boston	162,748 24
And it leaves as the net cost	<u>\$535,191 27</u>

which has been paid, or will be paid, from the tax levy of our city; and in addition to this the property-owners have paid \$47,165.26 for the services, which in Charlestown are paid for from the earnings of the water-works. The cost of construction and maintenance to the tax-payers of Boston for the water-works in the Charlestown District, up to the present time, according to the statement furnished me by the chairman of the Boston water board, is the amount contributed to the sinking-funds since 1878; namely, \$146,497.89, or \$435,858.64 less than the cost of the water-works to our tax-payers. It should also be remembered

that the cement pipes originally laid in Charlestown have nearly all been replaced, during the past seven years, with first-class iron pipes, at the expense of the Mystic Water-works. This manifest injustice leads me to suppose that a united effort on the part of Somerville, Chelsea, and Everett will secure a modification of the contract.

WATER-WORKS.

The water board, on account of the increasing number of breaks in the cement pipes, have wisely concluded to lay in the future iron pipes only. It is hoped that if this change necessitates the use of more money, it will be provided for in the annual appropriations for maintenance, instead of opening a construction account, and increasing the water debt.

WATERING STREETS.

Although the watering of streets adds to the attractions of the city, and to the comfort of every person using them, it is not a necessity, and cannot be called a measure of economy; still, it is a luxury which our tax-payers seem to be willing to support, and, to a reasonable extent, their wishes should be gratified, although it seems to me the larger part of the expense should be borne by the citizens themselves. A few years ago the street-watering was in charge of the committee on water; but, by vote of the city council, it was transferred to the committee on highways. I believe this was a mistake; for the last-mentioned committee have a large amount of business to look after, and during the past few years the committee on water have had none at all. I am aware that the work has not been done during the past year in as satisfactory a manner as possible, owing to the fact that the committee having charge of it have been overworked. I recommend that they be relieved by transferring the charge of this department to the committee on water. The amount set aside for the purpose of watering streets last year was \$3,000.

CONCLUSION.

In closing, I would say to you, gentlemen of the city council, that one of the most important duties we have to perform is to provide for the payment of the city's debt. Past city councils,

since 1875, have devoted their energies to this object ; and future ones must continue to do so until the debt is so far reduced as to cease to be a burden to the people, and cease to stand in the way of needed improvements. As long as the contributions to the sinking-funds, and the appropriation for interest account, are as large as they now are, and our city continues to increase in population as rapidly as it now does, the rate of taxation will continue to be high ; and it may, and probably will, be necessary to refuse some of the requests of our citizens for improvements.

The responsibility of fixing the amount to be expended in any department will rest with the city council, not with the committee having the matter in charge ; but the committee will be held responsible for the manner in which it is expended. Committees should be cautious in the early part of the year in their expenditures, in order that they may not be obliged to postpone necessary improvements later in the season for the want of funds. Measures should be adopted for the good of the public, not for the benefit of private individuals ; although needed improvements should not be postponed for the reason that they may benefit private interests, and assist private enterprise.

In making appointments and electing officers, it should be remembered that political influence and power are not necessarily qualifications for office ; but men should be selected solely on account of their peculiar qualifications for the positions they are to hold. We should all work for the best interests of the city ; each member should devote the necessary time to the transaction of the business ; he should investigate all subjects for himself, and decide all questions, as far as his vote will decide them, according to the dictates of his own judgment ; and let us all perform our official duties in such manner as to show that we have a just appreciation of the important trusts that have been placed in our hands. The consciousness of having served our fellow-citizens faithfully and efficiently will be a source of pleasure to us all in the years to come, and such service will greatly advance the material interests of the city and the prosperity of the people.

REPORT

OF THE

TREASURER AND COLLECTOR OF TAXES.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 20, 1886.

Referred to the committee on finance, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 20, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

IN COMMITTEE ON FINANCE, Feb. 12, 1886.

To the City Council of Somerville,—By an examination of the report, books, and vouchers of the treasurer and collector of taxes, made by this committee in conjunction with the auditor, and a comparison of the same with the statements presented by the various committees, boards, and officers of the city as required by ordinance, and with the books of the auditor, it appears that the accounts of the treasurer and collector are correct; and we would add that his books are kept in a remarkably neat, systematic, and business-like manner. We have also ascertained, by actual count and by visiting the banks of deposit, that his cash on hand agrees with the cash-balance shown by his books. We therefore recommend that his report be accepted, and printed with the other annual reports.

MARK F. BURNS,	} <i>Committee.</i>
ELBRIDGE G. PARK,	
WALTER C. MENTZER,	
JOHN F. KENNARD,	
EDWARD H. BRADSHAW,	
CHARLES L. NORTH,	

IN BOARD OF MAYOR AND ALDERMEN, Feb. 23, 1886.

Accepted, and referred to the committee on printing to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 24, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

TREASURER'S OFFICE, Jan. 18, 1886.

To the Honorable the Mayor and City Council of the City of Somerville.

GENTLEMEN, — The undersigned presents herewith the fourteenth annual report of the financial condition of the city, and a statement showing in detail the receipts and disbursements of the several departments for the year ending Dec. 31, 1885.

The value of the property of the city, Dec. 31, 1884, as appears by the schedule published with the last annual reports, was \$1,200,190.96 ; and the accessions thereto during the year were as follows : —

Amount expended for completing and furnishing

Public-library building	\$15,429 14
Lincoln Schoolhouse	12,453 97
Schoolhouse on Tufts Street (" Davis ")	4,106 32
“ “ School Street (" Cummings ")	2,746 25

making the value of the public property, Dec. 31, 1885, as per Table A, \$1,234,926.64.

There has also been expended the sum of \$5,037.54, for alterations and improvements of the City Hall, which has not been added to the inventory of public property.

The funded debt of the city has been reduced \$60,000, that amount having been received from the commissioners of the sinking-funds for the " ten years' maturities," retired this year ; leaving the funded debt, Dec. 31, 1885, as per Table B, \$1,525,000.

City-loan Bonds at 6 per cent interest, amounting to	\$87,000
“ “ “ 5½ “ “ “ “	4,500
“ “ “ 5 “ “ “ “	49,000
Water-loan Bonds at 6 per cent interest, amounting to	20,000
Amounting to	<u>\$160,500</u>

became due during the year, and were provided for by the issue of

City-loan Bonds, Nos. 856 to 880	\$25,000
Water-loan Bonds, Nos. 214 to 219	6,000
“ “ “ 220 to 226	7,000
<hr/>	
Amounting to	\$38,000

bearing interest at four per cent, which were sold at a premium amounting to \$1,689; and also

City-loan Bond, No. 881	\$54,000
“ “ “ 882	1,500
Water-loan Bond, No. 227	7,000
<hr/>	
Amounting to	\$62,500

bearing interest at five per cent, which were purchased by the commissioners of the sinking-funds at par, making the

Total amount of bonds issued	\$100,500
“ “ “ “ retired	60,000
<hr/>	
Total amount provided for	\$160,500

To provide for the payment of the State and county taxes, and for the expenses of the city for the year 1885, the assessors' warrant was received for the tax levy on a valuation on real estate of \$23,063,900; valuation on personal property, \$1,814,500; making a total valuation of \$24,878,400, at a rate of \$16.60 on \$1,000 valuation, and 7,812 polls at \$2.00 each, amounting to \$428,605.44. To this amount must be added the sum standing to the credit of excess and deficiency account, being the amount of unexpended appropriations Jan. 1, 1885, \$13,758.46; the amount received from the city of Boston for returns on water contract, \$21,542.28; and the additional credits received from all other sources by the various departments, amounting to \$53,054.09; making the total amount of resources for the year 1885 \$516,960.27.

The appropriations for the year provided for by the tax levy, the amounts transferred from other resources of the city, the additional

REPORT OF TREASURER AND COLLECTOR OF TAXES. 31

amounts credited, the amounts expended, and the unexpended balances of the various accounts were as follows:—

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Broadway Park Maintenance:—			
Appropriation	\$1,500 00		
Received for hay sold		\$6 15	
Expenditures			\$1,257 01
Unexpended balance			249 14
City-hall Alterations:—			
Appropriation	\$5,000 00		
Transferred from school-house on Tufts Street accounts	38 00		
	5,038 00		
Expenditures			5,037 54
Unexpended balance			46
Central-hill Improvement:—			
Appropriation	\$1,000 00		
Transferred from side-walks account	600 00		
	1,600 00		
Received for stone		57 45	
Expenditures			1,552 21
Unexpended balance			105 24
Fire Department:—			
Appropriation	22,500 00		
Received for old materials		112 05	
Expenditures			22,593 06
Unexpended balance			18 99
Health Department:—			
Appropriations	3,500 00		
Received for permits, licenses, etc.		274 50	
Expenditures			3,655 06
Unexpended balance			119 44
Highways:—			
Appropriation	32,000 00		
Received for betterment assessments, " " labor and materials		4,173 81 3,557 89	
Expenditures			36,645 43
Unexpended balance			3,086 27
Indigent Soldiers and Sailors:—			
Appropriation	500 00		
Received from State of Massachusetts		494 00	
Expenditures			988 00
Unexpended balance			6 00

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Interest:—			
Appropriation	\$58,000 00		
Transferred to other ac- counts	9,350 00		
	<hr/>		
	\$48,650 00		
Received interest, corporation, and bank taxes, etc.		\$20,300 29	
Expended			\$67,426 03
Unexpended balance			1,524 26
Lincoln Schoolhouse:—			
Appropriation	\$6,500 00		
Transferred from excess and deficiency account	3,000 00		
	<hr/>		
	9,500 00		
Balance from 1884		2,966 87	
Received for old iron sold		19 38	
Expenditures			12,473 35
Unexpended balance			12 90
Miscellaneous:—			
Appropriation	\$3,000 00		
Transferred from excess and deficiency account	758 46		
Interest account	1,000 00		
Water loan interest account	1,000 00		
	<hr/>		
	5,758 46		
Received for costs on taxes, licenses, etc.		2,277 74	
Expenditures			8,164 82
Balance expended in excess of ap- propriation		128 62	
Police:—			
Appropriation	23,000 00		
Received for court fees, fines, etc.		2,094 49	
Expenditures			24,625 87
Unexpended balance			468 62
Police-station Incidentals:—			
Appropriation	1,500 00		
Received for rent of hall		401 00	
Expenditures			1,865 15
Unexpended balance			35 85
Public Library:—			
Appropriation	2,500 00		
Received for dog licenses, fines, etc.		1,616 50	
Expenditures			3,713 90
Balance to be expended in 1886			402 60

REPORT OF TREASURER AND COLLECTOR OF TAXES. 33

Accounts.	Appropriations.	Additional credits.	Expenditures and balances
Public-library Building:—			
Appropriation . . .	\$1,000 00		
Transferred from excess and deficiency account .	10,000 00		
Transferred from interest account . . .	2,650 00		
	<hr/>		
	\$13,650 00		
Balance from 1884 . . .		\$2,090 69	
Expenditures . . .			\$15,429 14
Balance to be expended in 1886 .			311 55
Printing and Stationery:—			
Appropriation . . .	3,000 00		
Received for advertising . . .		7 50	
Expenditures . . .			2,970 80
Unexpended balance . . .			36 70
Salaries:—			
Appropriation . . .	21,000 00		
Expenditures . . .			20,916 12
Unexpended balance . . .			83 88
School Contingent:—			
Appropriation . . .	\$12,000 00		
Transferred from interest account . . .	3,300 00		
	<hr/>		
	15,300 00		
Received for tuition of non-resident pupils, etc.		293 75	
Expenditures . . .			15,409 60
Unexpended balance . . .			184 15
School-Fuel:—			
Appropriation . . .	5,000 00		
Expenditures . . .			4,965 37
Unexpended balance . . .			34 63
Schoolhouse Incidentals:—			
Appropriation . . .	\$6,000 00		
Transferred from water loan interest account .	1,000 00		
Tufts-street Schoolhouse account . . .	52 00		
	<hr/>		
	7,052 00		
Received for school furniture . . .		400 85	
Expenditures . . .			7,452 68
Unexpended balance . . .			17
School-teachers' Salaries:—			
Appropriation . . .	\$76,000 00		
Transferred from interest account . . .	200 00		

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Water loan interest account	\$839 75		
	<hr/>		
Received salaries not called for	\$77,089 75	\$5 25	
Expended			\$77,089 75
Unexpended balance			5 25
Schoolhouse on Tufts Street:—			
Appropriation	\$1,423 21		
Transferred to other accounts	90 00		
	<hr/>		
Balance from 1884	1,333 21	2,773 11	
Expended			4,106 32
Schoolhouse on School Street:—			
Appropriation	1,316 87		
Balance from 1884		1,288 88	
Expended			2,605 75
Sewers:—			
Appropriation	8,500 00		
Received for permits, labor, etc.		273 43	
Expenditures			7,601 25
Unexpended balance			1,172 18
Sidewalks:—			
Appropriation	\$3,000 00		
Transferred to Central-hill improvement account	600 00		
	<hr/>		
Expenditures	2,400 00		2,100 47
Unexpended balance			299 53
Sinking-fund Contributions:—			
Appropriation	45,100 00		
Expended			45,100 00
Street-Lights:—			
Appropriation	\$7,500 00		
Transferred from water loan interest account	1,500 00		
	<hr/>		
Received for lamp-posts, etc.	9,000 00	338 26	
Expenditures			9,110 55
Unexpended balance			227 71
Support of Poor			
Appropriation	\$14,000 00		
Transferred from interest account	1,000 00		
	<hr/>		
Received for support of paupers	15,000 00	1,498 79	
Expenditures			16,432 03
Unexpended balance			66 76

REPORT OF TREASURER AND COLLECTOR OF TAXES. 35

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Watering Streets:—			
Appropriation	\$3,000 00		
Received from abutters		\$3,368 19	
Expenditures			\$6,341 53
Unexpended balance			26 66
Water Maintenance:—			
Appropriation	\$20,000 00		
Transferred from interest account	1,200 00		
	<hr/> 21,200 00		
Received for labor, materials, etc.		2,363 27	
Expenditures			23,379 49
Unexpended balance			183 78
Water Loan Interest:—			
Received from City of Boston for return on water rates	\$21,542 28		
Amount transferred to other accounts	4,389 75		
	<hr/>	17,152 53	
Expended			16,917 50
Unexpended balance			235 03
County of Middlesex, County Tax:—			
Appropriation	12,792 26		
Expended			12,792 26
State of Massachusetts, State Tax:—			
Appropriation	19,725 00		
Expended			19,725 00
Overlay and Abatement:—			
Appropriation	7,748 10		
Applied and to be applied to abatements on taxes			7,748 10
<hr/>			
Taxes	\$428,605 44		
Excess and deficiency, Jan. 1, 1885	13,758 46		
“Water loan interest” received from city of Boston	21,542 28		
Additional credits from various sources	53,054 09		
Expenditures			\$508,905 29
Excess of appropriations over current expenses			8,054 98
<hr/>			
Total	<u>\$516,960 27</u>		<u>\$516,960 27</u>

The assets of the city available for the payment of its unfunded liabilities are as follows : —

Taxes	\$166,503 59
Real-estate liens	507 54
State of Massachusetts, State aid	3,568 00
State of Massachusetts, indigent soldiers and sailors	482 00
Highway betterment assessments	3,848 11
Sidewalk assessments	1,459 07
Sewer assessments	5,672 41
Water-service assessments	1,285 98
Cash	8,075 76
<hr/>	
Total amount of available assets	\$191,402 46

The unfunded liabilities are : —

Temporary loans	\$175,000 00
Overlay and abatement account	6,344 76
Overplus on tax sales	102 13
Public Library, balance to be expended	402 60
Public-library building, balance to be expended	311 55
Sundry persons	1,186 44
<hr/>	
Total amount of unfunded liabilities	\$183,347 48
Excess of available assets over unfunded liabilities	8,054 98
<hr/>	
	\$191,402 46
<hr/>	

The financial condition of the city, exclusive of its public property, is as follows : —

Funded debt	\$1,525,000 00
Amount of sinking-funds	517,158 18
<hr/>	
Net amount of funded debt	\$1,007,841 82
Excess of available assets over unfunded liabilities	8,054 98
<hr/>	
Leaving a net indebtedness, Dec. 31, 1885, of	\$999,786 84

Total cash receipts for the year, including a balance	
of \$13,071.33 from the year 1884, were .	\$1,212,513 70
Total cash disbursements	1,204,437 94
	<hr/>
Leaving in the treasury the sum of	\$8,075 76

A detailed statement of the public property, funded debt, and the receipts and disbursements of the various accounts, will be found in the appendix following this report.

Respectfully submitted.

JOHN F. COLE, *Treasurer.*

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.

PUBLIC PROPERTY, DEC. 31, 1885.

Central-hill land (12 acres, 27,920 feet)	.	.	\$100,000 00
City Hall	.	.	\$10,000 00
Furniture	.	.	3,000 00
			<hr/> 13,000 00
Public Library	.	.	8,500 00
Public-library building	.	.	28,338 45
Steam fire-engine house	.	.	\$10,000 00
Furniture	.	.	500 00
Steam fire-engine and apparatus,			4,000 00
Steam fire-engine, hose-carriage,			
and apparatus	.	.	2,000 00
			<hr/> 16,500 00
High Schoolhouse	.	.	\$40,000 00
Furniture	.	.	3,500 00
Philosophical apparatus	.	.	500 00
			<hr/> 44,000 00
Prescott Schoolhouse, land (21,444			
feet) and building	.	.	\$40,000 00
Furniture	.	.	2,000 00
			<hr/> 42,000 00
Luther V. Bell Schoolhouse, land			
(23,396 feet) and building	.	.	\$40,000 00
Furniture	.	.	3,000 00
			<hr/> 43,000 00
<i>Amount carried forward</i>	.	.	<hr/> \$295,338 45

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 39

<i>Amount brought forward</i>			\$295,338 45	
Forster Schoolhouse, land (27,499 feet) and building . .	\$37,922 24			
Furniture	1,500 00			
			<hr/>	39,422 24
Morse Schoolhouse, land (29,109 feet) and building . .	\$25,000 00			
Furniture	1,000 00			
			<hr/>	26,000 00
Highland Schoolhouse, land (23,260 feet) and building . .	\$32,000 00			
Furniture	1,000 00			
			<hr/>	33,000 00
Lincoln Schoolhouse, land (17,662 feet) and building . .	\$14,742 17			
Furniture	744,93			
			<hr/>	15,487 10
Prospect-hill Schoolhouse, land (25,-313 feet) and building . .	\$20,000 00			
Furniture	600 00			
			<hr/>	20,600 00
Jackson Schoolhouse, land (11,212 feet) and building . .	\$8,000 00			
Furniture	300 00			
			<hr/>	8,300 00
Bennett Schoolhouse, land (20,560 feet) and building . .	\$8,000 00			
Furniture	300 00			
			<hr/>	8,300 00
Webster Schoolhouse, land (11,050 feet) and building . .	\$8,000 00			
Furniture	300 00			
			<hr/>	8,300 00
Union Schoolhouse, land (9,360 feet) and building	\$2,500 00			
Furniture	100 00			
			<hr/>	2,600 00
Harvard School, land (9,810 feet) and building	\$2,500 00			
Furniture	100 00			
			<hr/>	2,600 00
<i>Amount carried forward</i>				\$459,947 79

<i>Amount brought forward</i>			\$459,947 79
Edgerly Schoolhouse, land (26,428 feet) and building . .	\$25,000 00		
Furniture	500 00		
			<hr/> 25,500 00
Edgerly Schoolhouse, addition .	\$17,000 00		
Furniture	600 00		
			<hr/> 17,600 00
Brastow Schoolhouse, land (10,019 feet) and building . .	\$6,000 00		
Furniture	250 00		
			<hr/> 6,250 00
Franklin Schoolhouse, land (33,017 feet) and building . .	\$14,000 00		
Furniture	300 00		
			<hr/> 14,300 00
Beach-street Schoolhouse, land (6,000 feet) and building . .	\$4,500 00		
Furniture	250 00		
			<hr/> 4,750 00
Spring-hill Schoolhouse, land (4,991 feet) and building . .	\$1,600 00		
Furniture	100 00		
			<hr/> 1,700 00
Davis Schoolhouse, Tufts Street, land (29,584 feet) and building .	\$17,606 22		
Furniture	726 99		
			<hr/> 18,333 21
Cummings Schoolhouse, School Street, land (11,300 feet) and building	\$14,643 21		
Furniture	714 16		
			<hr/> 15,357 37
City farm, land (10 acres, 12,523 feet)			30,000 00
Cedar-street Schoolhouse . .	\$700 00		
Furniture	100 00		
			<hr/> 800 00
City stables and dwelling-houses			7,000 00
Equipments for highway repairs			3,000 00
Watering-carts and sheds			2,300 00
			<hr/>
<i>Amount carried forward</i>			\$606,838 37

<i>Amount brought forward</i>		\$606,838 37	
No. 1 Hose-house, land (4,312 feet)			
and building	\$2,300 00		
Furniture	400 00		
John E. Wool hose-carriage			
and apparatus	2,000 00		
		<hr/>	4,700 00
No. 2 Hose-house, land (5,400 feet)			
and building	\$7,500 00		
Furniture	300 00		
Winter-hill hose-carriage and			
apparatus	2,000 00		
		<hr/>	9,800 00
No. 3 Hose-house, land (5,226 feet)			
and building	\$9,000 00		
Furniture	300 00		
George H. Foster hose-carriage			
and apparatus	2,000 00		
R. A. Vinal hook-and-ladder			
truck and apparatus	3,400 00		
Prescott hook-and-ladder truck			
and apparatus	100 00		
		<hr/>	14,800 00
No. 4 Hose-house, land (9,100 feet)			
and building	\$11,000 00		
Furniture	400 00		
George O. Brastow hose-car-			
riage and apparatus	2,000 00		
Relief hose-carriage	600 00		
		<hr/>	14,000 00
Fire-alarm telegraph			15,800 00
Police-station, land (15,232 feet)			
and building (Bow Street)	\$40,000 00		
Furniture	3,000 00		
		<hr/>	43,000 00
Prospect Street, land (7,918 feet) and building	7,000 00		
Public park (cost \$212,993.20)			125,000 00
Joy Street, land (2,960 feet)			500 00
Walnut Hill, land (10,890 feet)			1,000 00
		<hr/>	
<i>Amount carried forward</i>			\$842,438 37

<i>Amount brought forward</i>	.	.	.	.	\$842,438 37
Elm Street, land (18,000 feet)	.	.	.	.	3,600 00
Ledge-land on Bond Street (39,732 feet)	.	.	.	.	2,500 00
Holland Street (5 acres, 6,806 feet)	.	.	.	.	12,000 00
Somerville Avenue (39,456 feet)	.	.	.	.	5,000 00
Gravel-land in Waltham (about 35 acres)	.	.	.	.	15,000 00
Gravel-land in Wakefield (about $1\frac{1}{3}$ acres)	.	.	.	.	5,000 00
Gravel-land in Winchester (about 2 acres)	.	.	.	.	500 00
Somerville Water-works (cost \$342,608.76)	.	.	.	.	341,000 00
Oliver Street, land (63,069 feet)	.	.	.	.	7,500 00
Whipple Street, land, lots Nos. 30 and 31 (15,240 feet)	.	.	.	.	388 27
Total value of public property	.	.	.	.	<hr/>\$1,234,926 64

TABLE B.
FUNDED DEBT, DEC. 31, 1885.

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
1876.				1886.		
April 1,	City,	175 to 182,	5½	April 1,	\$5,000	\$40,000
" "	"	183 to 185,	"	" "	5,000	15,000
" "	"	186,	"	" "	5,000	5,000
" "	"	187,	"	" "	1,000	1,000
" "	Water,	23 to 27,	"	" "	10,000	50,000
" "	"	28,	"	" "	5,500	5,500
1882.				1887.		
July 1,	City,	423 to 437,	5	July 1,	1,000	15,000
" "	"	438,	"	" "	500	500
1880.						
Oct. 1,	Water,	37 to 45,	"	Oct. 1,	1,000	9,000
1881.						
April 1,	City,	373 to 412,	"	" "	1,000	40,000
Oct. 1,	"	416,	"	" "	500	500
" "	"	417 to 422,	"	" "	1,000	6,000
1882.				1888.		
July 1,	"	439 to 461,	"	July 1,	1,000	23,000
1884.						
Oct. 1,	"	467 to 507,	4	Oct. 1,	1,000	41,000
1881.				1889.		
Jan. 1,	Water,	57 to 65,	5	Jan. 1,	1,000	9,000
1880.						
Oct. 1,	"	46 to 54,	"	Oct. 1,	1,000	9,000
1884.						
Oct. 1,	City,	508 to 575,	4	" "	1,000	68,000
1880.				1890.		
Oct. 1,	Water,	55,	5	Oct. 1,	9,000	9,000
1884.						
Oct. 1,	City,	576 to 646,	4	" "	1,000	71,000
" "	"	647 to 720,	4	1891.		
1881.				Oct. 1,	1,000	74,000
Jan. 1,	Water,	66 to 76,	5	1892.		
Oct. 1,	"	78 to 88,	"	Jan. 1,	1,000	11,000
1884.				Oct. 1,	1,000	11,000
Oct. 1,	City,	721 to 798,	4	" "	1,000	78,000
1885.				1893.		
July 1,	"	856 to 880,	4	July 1,	1,000	25,000
Oct. 1,	Water,	89 to 99,	5	Oct. 1,	1,000	11,000
1884.						
Oct. 1,	City,	799 to 852,	4	" "	1,000	54,000
1881.				1894.		
Oct. 1,	Water,	100 to 111,	5	Oct. 1,	1,000	12,000
1878.				1895.		
Jan. 1,	City,	335,	"	Jan. 1,	37,000	37,000
Amount		carried forward . . .	. . .	. . .	. . .	\$730,500

TABLE B — *Continued.*

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
1878	<i>Amount</i>	<i>brought forward</i>	<i>. . . .</i>	<i>. . . .</i>	<i>. . . .</i>	\$730,500
Jan. 1,	City,	336,	5	1895. Jan. 1,	\$1,000	1,000
" "	"	338,	"	" "	2,000	2,000
1879.						
Jan. 1,	Water,	34,	"	" "	25,000	25,000
" "	City,	339,	"	" "	12,000	12,000
" "	"	340,	"	" "	1,500	1,500
" "	"	341,	"	" "	1,500	1,500
1880.						
Jan. 1,	"	346,	"	" "	2,000	2,000
" "	"	347,	"	" "	1,000	1,000
" "	"	348,	"	" "	5,500	5,500
1885.						
July 1,	"	881,	5	" "	54,000	54,000
" "	"	882,	5	" "	1,500	1,500
1876.						
April 1,	"	189,	5½	April 1,	35,500	35,500
Oct. 1,	"	190 to 194,	5	" "	5,000	25,000
" "	"	195 to 334,	"	" "	1,000	140,000
1879.						
April 1,	"	343,	"	" "	4,000	4,000
Oct. 1,	"	344,	"	" "	8,000	8,000
" "	"	345,	"	" "	25,000	25,000
1880.						
Oct. 1,	"	351,	"	" "	1,000	1,000
" "	"	352,	"	" "	42,500	42,500
1881.						
Oct. 1,	"	414,	"	" "	45,000	45,000
" "	"	415,	"	" "	1,000	1,000
1882.						
Oct. 2,	"	463,	"	" "	45,000	45,000
" "	"	464,	"	" "	2,000	2,000
1883.						
Oct. 1,	"	466,	"	" "	50,000	50,000
1884.						
Oct. 1,	"	854,	5	April 1,	52,000	52,000
" "	"	855,	"	" "	3,000	3,000
1883.						
July 1,	Water,	112 to 124,	"	July 1,	1,000	13,000
1876.				1896.		
July 1,	Sewer,	1 to 7,	"	July 1,	5,000	35,000
1882.						
July 1,	Water,	125 to 136,	"	" "	1,000	12,000
" "	"	137,	"	" "	500	500
" "	"	138 to 151,	"	1897. July 1,	1,000	14,000
" "	"	152 to 166,	"	1898. July 1,	1,000	15,000
	<i>Amount</i>	<i>carried forward</i>	<i>. . . .</i>	<i>. . . .</i>	<i>. . . .</i>	\$1,406,000

TABLE B — *Concluded.*

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
	<i>Amount</i>	<i>brought forward .</i>	<i>. . .</i>	<i>. . .</i>	<i>. . .</i>	\$1,406,000
1882. July 1,	Water,	167 to 181, 182,	5	1899. July 1,	\$1,000 500	15,000 500
" "	"	183 to 194, 195,	"	1900. July 1,	1,000 500	12,000 500
1884. Oct. 1,	"	200 to 202,	4	Oct. 1,	1,000	3,000
" "	"	203 to 212,	"	1901. Oct. 1,	1,000	10,000
1885. July 1,	"	214 to 219,	"	July 1,	1,000	6,000
" "	"	220 to 226,	"	1902. July 1,	1,000	7,000
1877. Oct. 1,	"	33,	5	1904. Oct. 1,	5,000	5,000
1879. Jan. 1,	"	35,	"	1905. Jan. 1,	5,000	5,000
1885. July 1,	"	227,	5	" "	7,000	7,000
1876. April 1,	"	29,	5½	April 1,	4,500	4,500
1880. Oct. 1,	"	56,	5	" "	5,500	5,500
1881. Oct. 1,	"	77,	"	" "	6,000	6,000
1882. Oct. 2,	"	196,	"	" "	6,500	6,500
" "	"	197,	"	" "	1,000	1,000
1883. Oct. 1,	"	198,	"	" "	6,500	6,500
" "	"	199,	"	" "	1,000	1,000
1884. Oct. 1,	"	213,	"	" "	7,000	7,000
1876. July 1,	"	30 and 31,	5½	1906. July 1,	5,000	10,000
	<i>Total</i>	<i>Funded Debt . . .</i>	<i>. . .</i>	<i>. . .</i>	<i>. . .</i>	\$1,525,000

TABLE C.

STATEMENT OF ACCOUNTS SHOWING APPROPRIATIONS,
EXPENDITURES, ETC., TO DEC. 31, 1885.

APPROPRIATIONS.

		CREDIT.	
Taxes, amount assessed for current expenses		\$388,340	08
Property and debt balance		100,500	00
		<hr/>	
		\$488,840	08
		DEBIT.	
Broadway-park maintenance	\$1,500	00	
City-hall alterations	5,000	00	
Central-hill improvement	1,000	00	
Fire-department	22,500	00	
Health-department	3,500	00	
Highways	32,000	00	
Indigent soldiers and sailors	500	00	
Interest	58,000	00	
Lincoln Schoolhouse	6,500	00	
Miscellaneous	3,000	00	
Police	23,000	00	
Police-station incidentals	1,500	00	
Public Library	2,500	00	
Public-library building	1,000	00	
Printing and stationery	3,000	00	
Renewals of funded debt	100,500	00	
Salaries	21,000	00	
School contingent	12,000	00	
School-fuel	5,000	00	
Schoolhouse incidentals	6,000	00	
School-teachers' salaries	76,000	00	
Schoolhouse on Tufts Street	1,423	21	
Schoolhouse on School Street	1,316	87	
Sewers	8,500	00	
Sidewalks	3,000	00	
Sinking-fund contributions	45,100	00	
Street-lights	7,500	00	
		<hr/>	
<i>Amounts carried forward</i>	\$451,840	08	\$488,840 08

<i>Amounts brought forward</i>	.	\$451,840 08	\$488,840 08
Support of poor	. . . .	14,000 00	
Watering streets	. . . .	3,000 00	
Water maintenance	. . . .	20,000 00	
		<hr/>	\$488,840 08
			<hr/>

CASH.

CREDIT.

Broadway-park maintenance	. . . .	\$1,257 01
County of Middlesex	. . . .	12,792 26
Central-hill improvement	. . . .	1,552 21
City-hall alterations	. . . .	5,037 54
Fire-department	. . . .	22,593 06
Funded debt	. . . .	160,500 00
Health-department	. . . .	3,655 06
Highways	. . . .	36,645 43
Indigent soldiers and sailors	. . . .	988 00
Interest	. . . .	67,351 03
Lincoln Schoolhouse	. . . .	12,473 35
Miscellaneous	. . . .	8,164 82
Police	. . . .	24,625 87
Police-station incidentals	. . . .	1,865 15
Printing and stationery	. . . .	2,970 80
Public Library	. . . .	3,713 90
Public-library building	. . . .	15,429 14
Salaries	. . . .	20,916 12
School contingent	. . . .	15,409 60
School-fuel	. . . .	4,965 37
Schoolhouse incidentals	. . . .	7,452 68
School-teachers' salaries	. . . .	77,089 75
Schoolhouse on Tufts Street	. . . .	4,106 32
Schoolhouse on School Street	. . . .	2,605 75
Sewers	. . . .	15,122 59
Sidewalks	. . . .	4,200 40
Street-lights	. . . .	9,110 55
Support of poor	. . . .	16,432 03
Sinking-fund contributions	. . . .	45,100 00
State of Massachusetts	. . . .	19,725 00
		<hr/>
<i>Amount carried forward</i>	.	\$623,850 79

<i>Amount brought forward .</i>		\$623,850 79
State aid		3,738 00
Sundry persons		375 00
Temporary loans		525,000 00
Watering streets		6,341 53
Water maintenance		23,379 49
Water services		4,848 13
Water-loan interest		16,905 00
Balance to debit on account, 1886 .		8,075 76
		<hr/> \$1,212,513 70

DEBIT.

Balance	\$13,071 33
Broadway-park maintenance . .	6 15
Central-hill improvement . .	57 45
Funded debt	100,500 00
Fire-department	112 05
Health-department	274 50
Highways	3,557 89
Highway betterment assessments .	325 70
Hanover Fire Insurance Co. . .	3,000 00
Interest	20,273 60
Lincoln Schoolhouse	19 38
Miscellaneous	2,191 39
Police	2,094 49
Police-station incidentals . .	401 00
Public Library	1,591 50
Printing and stationery	7 50
Real-estate liens	73 58
Reduction of funded debt . .	60,000 00
School contingent	293 75
Schoolhouse incidentals	400 85
School-teachers' salaries . .	5 25
Sewers	273 43
Street-lights	338 26
Support of poor	1,498 79
State aid	27 00
State of Massachusetts, State aid .	3,717 00

Amounts carried forward . \$214,111 84 \$1,212,513 70

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 49

<i>Amounts brought forward</i>	.	\$214,111 84	\$1,212,513 70
State of Massachusetts, indigent soldiers and sailors	.	484 00	
Sidewalk assessments	.	1,558 13	
Sewer assessments	.	11,580 48	
Taxes	.	428,288 55	
Temporary loans	.	525,000 00	
Water maintenance	.	1,654 32	
Water services	.	294 25	
Water-loan interest	.	21,542 28	
Water-service assessments	.	4,631 66	
Watering streets	.	3,368 19	
		<hr/>	<hr/>
			\$1,212,513 70

BROADWAY-PARK MAINTENANCE.

CREDIT.

Appropriations, amount assessed	.	.	.	\$1,500 00
Cash, received for hay	.	.	.	6 15
				<hr/>
				\$1,506 15

DEBIT.

Cash, paid Hugh A. Carney, plants	.	\$40 00	
John L. Carney, lighting and watching	.	21 00	
Whitney & Snow, tools	.	54 57	
Odorless Evacuating Company, manure	.	105 00	
Joseph Breck & Son, repairing lawnmowers, etc.	.	15 15	
Timothy Murphy, trees	.	10 00	
Hovey & Co., grass-seed, etc.	.	5 25	
Samuel Walker & Co., oil	.	4 55	
J. A. Durell, glass, etc.	.	3 49	
William Hamilton, mowing	.	3 00	
John Kennedy, blacksmithing	.	5 00	
H. W. Raymond, shovel	.	90	
		<hr/>	<hr/>
<i>Amounts carried forward</i>	.	\$267 91	\$1,506 15

<i>Amounts brought forward</i>	.	.	\$267 91	\$1,506 15
E. R. Perham, expressing	.	.	1 65	
Highways account, labor, teaming, etc.	.	.	987 45	
			<hr/>	
			\$1,257 01	
Excess and deficiency, balance to credit of account	.	.	249 14	
			<hr/>	
				<u>\$1,506 15</u>

CENTRAL-HILL IMPROVEMENT.

CREDIT.

Appropriations, amount assessed	.	.	.	\$1,000 00
Sidewalks, transferred	.	.	.	600 00
Highways account, stone for crusher	.	.	.	57 45
				<hr/>
				\$1,657 45

DEBIT.

Cash, paid Thomas Wood, mason-work	.	\$276 75
Horatio Wellington & Co., cement	.	71 00
Cook, Rymes, & Co., iron-work	.	174 33
W. P. Dutton, granite-work	.	449 26
J. A. Durell, hardware, etc.	.	19 73
John F. Ayer, lumber	.	9 23
Howe & Flint, lead, etc.	.	5 15
H. W. Raymond, oil-can, etc.	.	1 30
M. Lynch, blacksmith-work	.	8 20
F. Dooris, “	.	1 75
W. L. Clark & Co., cement	.	3 00
Herbert E. Hill, freight	.	50 00
J. F. Manning, teaming	.	82 00
J. H. Coon & Co., mounting guns	.	130 00
Highways account, labor and teaming,	.	270 51
		<hr/>
		\$1,552 21
Excess and deficiency, balance to credit of account	.	105 24
		<hr/>
		<u>\$1,657 45</u>

CITY-HALL ALTERATIONS.

CREDIT.

Appropriations, amount assessed	\$5,000 00
Schoolhouse on Tufts Street, transferred	38 00

\$5,038 00

DEBIT.

Cash, paid F. C. Fuller, carpenter-work, etc.	\$4,695 99
A. A. Sanborn, steam-fitting	46 33
A. D. McCann, shellacking, etc. . . .	27 00
W. L. Clark & Co., mason-work	42 03
J. A. Durell, gas-piping	6 28
J. H. Hollis, painting	17 91
L. B. Angier, watching	90 00
George F. Loring, services as archi- tect	112 00

\$5,037 54

Excess and deficiency, balance to credit of account	46
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\$5,038 00

COUNTY OF MIDDLESEX.

CREDIT.

Taxes, amount assessed	\$12,792 26
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DEBIT.

Cash, paid county tax	\$12,792 26
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EXCESS AND DEFICIENCY.

CREDIT.

Balance from 1884.	\$13,758 46
Broadway-park maintenance, credit bal- ance of account	\$249 14
City-hall alterations, credit balance of account	46

Amounts carried forward . . . \$249 60

\$13,758 46

<i>Amounts brought forward</i> . . .	\$249 60	\$13,758 46
Central-hill improvement, credit balance of account	105 24	
Fire-department, credit balance of account,	18 99	
Health-department, credit balance of account	119 44	
Highways, credit balance of account	3,086 27	
Indigent soldiers and sailors, credit balance of account	6 00	
Interest, credit balance of account	1,524 26	
Lincoln Schoolhouse, credit balance of account	12 90	
Police, credit balance of account	468 62	
Police-station incidentals, credit balance of account	35 85	
Printing and stationery, credit balance of account	36 70	
Salaries, credit balance of account	83 88	
School contingent, credit balance of account	184 15	
School-fuel, credit balance of account	34 63	
Schoolhouse incidentals, credit balance of account	17	
School-teachers' salaries, credit balance of account	5 25	
Sewers, credit balance of account	1,172 18	
Sidewalks, credit balance of account	299 53	
Street-lights, " " "	227 71	
Support of poor, credit balance of account,	66 76	
Watering streets, credit balance of account	26 66	
Water maintenance, credit balance of account	183 78	
Water-loan interest, credit balance of account	235 03	
	<hr/>	8,183 60
<i>Amount carried forward</i>		\$21,942 06

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 53

Amount brought forward \$21,942 06

DEBIT.

Lincoln Schoolhouse, transferred .	\$3,000 00
Public-library building, transferred,	10,000 00
Miscellaneous, transferred . . .	758 46
“ debit balance of acct.	128 62

\$13,887 08

Balance to credit in account, 1886 .	8,054 98
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\$21,942 06

FUNDED DEBT.

CREDIT.

Balance from 1884	\$1,585,000 00
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Cash, received for sale of

City-loan Bonds, Nos. 856 to 880,	\$25,000 00
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“ “ No. 881 . . .	54,000 00
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“ “ “ 882 . . .	1,500 00
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Water-loan Bonds, Nos. 214 to 219 .	6,000 00
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“ “ “ 220 to 226 .	7,000 00
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“ “ No. 227 . . .	7,000 00
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100,500 00

\$1,685,500 00

DEBIT.

Cash, paid

City-loan Bond, No. 337 . . .	\$5,000 00
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“ “ “ 188 . . .	4,500 00
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“ “ “ 342 . . .	6,000 00
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“ “ “ 350 . . .	6,000 00
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“ “ “ 413 . . .	6,000 00
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“ “ “ 462 . . .	7,000 00
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“ “ “ 465 . . .	6,500 00
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“ “ “ 853 . . .	12,500 00
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“ “ “ 157 . . .	4,000 00
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“ “ “ 158 . . .	3,000 00
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“ “ Nos. 159 to 174,	80,000 00
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Water-loan Bonds, Nos. 19 to 22,	20,000 00
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\$160,500 00

Balance to credit in account, 1886 .	1,525,000 00
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\$1,685,500 00

FIRE-DEPARTMENT.

CREDIT.

Appropriations, amount assessed	\$22,500 00
Cash, received of H. G. Jordan & Co., huo runners	\$12 00
Charles Maguire, stove	2 00
Levi F. S. Davis, old copper and zinc,	37 04
L. W. Dow, manure	52 00
W. A. Snow & Co., return on bill	5 60
Sundry persons, money not called for,	3 41
	<hr/>
	112 05
	<hr/>
	\$22,612 05

DEBIT.

Cash, paid James R. Hopkins, chief engi- neer	\$1,100 00
Nathaniel C. Barker, assistant engi- neer	300 00
Steamer engineer	950 00
Steamer fireman	780 00
Seven drivers	5,460 00
George H. Harris, substitute driver	29 35
Theophilus Cunningham, substitute driver	16 25
C. F. Kyes, substitute driver	29 35
William H. Bonner, substitute driver,	148 87
Charles H. Timson, " "	30 33
Charles A. Kirkpatrick, " "	30 33
Steamer Engine Company	786 00
John E. Wool Hose Company	681 34
Winter-hill Hose Company	695 00
George H. Foster Hose Company	675 17
George O. Brastow Hose Company	681 83
R. A. Vinal Hook-and-ladder Com- pany	1,219 42
City of Boston, water for hydrants	1,428 00
" " " water for houses	105 00
J. W. Gerry, horseshoeing	81
	<hr/>
<i>Amounts carried forward</i>	\$15,147 05
	<hr/>
	\$22,612 05

<i>Amounts brought forward</i>	.	\$15,147 05	\$22,612 05
C. W. Ingalls, horseshoeing	. .	31 80	
Charles Maguire, "	. .	48 30	
Timothy O'Brien, "	. .	32 80	
W. H. Richardson, "	. .	28 82	
Seward Dodge, blacksmithing and shoeing	. . . .	69 08	
Cook, Rymes, & Co., blacksmithing.		20 43	
J. Leland, wheelwright work	. .	4 00	
D. W. Brewster, painting	. .	8 00	
Arthur Caldwell, "	. .	19 12	
C. C. Packard, "	. .	2 00	
J. H. Hollis, "	. .	101 50	
Ramsey Clark, "	. .	30 10	
J. C. Dyer, "	. .	9 30	
S. T. Kirkpatrick, carpenter-work	. .	15 68	
J. W. Gilpatrick, "	. .	65 00	
G. D. B. Robinson, "	. .	6 91	
Fred C. Fuller, "	. .	76 85	
A. W. Berry, "	. .	6 18	
R. A. Stevens, "	. .	1 68	
R. A. Melvin & Co., "	. .	9 00	
J. K. Ricker, agent, "	. .	197 86	
Elijah Walker, "	. .	108 30	
H. W. Covell & Co., plumbing	. .	3 01	
J. F. Davlin, "	. .	29 04	
J. E. Parsons, "	. .	3 55	
E. F. Trefren, "	. .	9 60	
D. P. Bucknam, plastering	. .	28 85	
L. C. Seavey, slating, etc.	. .	8 09	
J. M. Burckes, mason-work	. .	20 12	
F. Ivers & Son, harness-work	. .	5 00	
E. Spalding, "	. .	50 20	
Whitney & Snow, hardware	. .	8 97	
H. W. Raymond, "	. .	40 96	
W. L. Snow, "	. .	19 81	
Howe & Flint, "	. .	11 85	
J. A. Durell, "	. .	5 07	
<i>Amounts carried forward</i>	.	\$16,283 88	\$22,612 05

<i>Amounts brought forward</i>	\$16,283 88	\$22,612 05
Gardner & Chandler, hardware	17 06	
J. Breck & Sons, repairing lawn-mowers	1 50	
W. S. Walker, painting and glazing,	30 18	
S. Armstrong & Co., coopering	8 50	
E. Teel & Co., repairing apparatus,	254 20	
Crosby Steam Gage and Valve Company, repairing valve	2 50	
Ingalls & Kendricken, repairing heating-apparatus	62 16	
Folger & Dupont, repairing furnaces,	3 25	
Smith & Anthony Stove Company, repairing furnace	1 50	
Edwin Rogers, fire-alarm apparatus,	237 91	
Abiel Pevey, zincs and coppers	159 84	
E. B. Badger & Son, copper strips,	11 37	
S. D. Hicks & Son, " "	7 15	
Thomas Hollis, blue vitriol	68 28	
Western Electric Company, oil, etc.	6 25	
George L. Baxter, fire-lighters	7 00	
O. J. Davis, telegraph-poles	40 00	
American Fire-Hose Manufacturing Company, hose, etc.	105 00	
Boston Woven Hose Company, hose, etc.	916 03	
C. Callahan, nozzle, etc.	30 00	
James P. Fegan, repairing nozzle	5 60	
American Steam-Gauge Company, repairing nozzle	50	
Silsby Manufacturing Company, couplings, etc.	48 13	
Union Glass Company, battery jars, etc.	19 25	
Munn & Hughes, glazing	1 30	
J. F. Burton, " "	5 50	
Charles Holmes & Son, hardware, etc.	77 60	
W. A. Snow & Co., " "	38 20	
<i>Amounts carried forward</i>	\$18,449 64	\$22,612 05

<i>Amounts brought forward</i>	.	\$18,449 64	\$22,612 05
William Blake & Co., bell, etc.	.	209 21	
John L. Crafts, hoisting bell, etc.	.	8 50	
M. D. Jones & Co., vane	.	10 00	
Somerville Iron Foundry, weights	.	6 70	
George Dunbar & Co., compound for fire-extinguishers, etc.	.	69 75	
Cutter & Parker, doors	.	40 00	
Horton Brothers, tool-bag	.	4 00	
A. S. Jackson, repairing hose, etc.	.	107 50	
J. C. Parsons & Co., harness dress- ing	.	2 00	
E. I. Train & Co., harness dressing,	.	2 50	
L. Albert Smith, hoof liquid	.	10 00	
E. Lathrop, hoof ointment	.	4 00	
E. Leslie Colman, disinfectant	.	2 00	
J. K. Paul & Co., union	.	53	
E. R. Perham & Co., hay	.	35 29	
J. F. Ham, "	.	11 70	
R. W. Willey & Co., hay and straw,	.	249 46	
N. Tufts & Son, grain	.	428 33	
A. M. Prescott, hay and straw	.	688 50	
" " use of horse	.	48 50	
James Boyd & Son, fire hats	.	25 00	
H. M. Richards & Co., uniform devices	.	19 74	
Scoville Manufacturing Company, button and dies	.	64 42	
Daniel W. Crocker, repairing boxes,	.	1 50	
Union-square Carriage Company, repairing wagon	.	28 00	
Thomas H. Ames, repairing wagon,	.	3 25	
John F. Ayer, lumber	.	78 92	
W. L. Sturtevant, "	.	53 19	
Watson & Bisbee, "	.	9 64	
E. A. Costigan, caulking	.	16 00	
J. J. Herne, saw-dust	.	4 75	
Page & Littlefield, oak-plank	.	8 03	
<i>Amounts carried forward</i>	.	\$20,700 55	\$22,612 05

<i>Amounts brought forward</i>	\$20,700 55	\$22,612 05
Bishop & Brothers, ladders, etc.	8 75	
Murphy, Leavens, & Co., feather dusters	3 42	
Leander Barber, brooms	7 00	
Jackson, Caldwell, & Co., chairs, etc.	22 50	
Charles O'Neil, soap	4 13	
T. Spellman, " "	16 50	
H. W. Burgess, salt	1 80	
S. J. Woods, filing saws, etc.	4 15	
George W. Prichard, filling	3 30	
Clarence G. Reed, plastering	5 00	
Charles Bartley, oil, etc.	2 38	
Horatio Wellington & Co., fuel	468 69	
George M. Winslow & Co., " "	223 74	
Boston Ice Company, ice	6 00	
H. D. & W. S. Durgin, " "	35 00	
New-England Telephone and Telegraph Company, rentals and service	79 55	
Sturtevant Brothers, horses	300 00	
Joseph J. Giles, bedding	14 50	
L. C. Chase & Co., blankets	9 50	
W. S. & G. O. Wiley, " "	13 00	
Aaron R. Gay & Co., stationery	10 50	
J. O. Hayden & Co., printing, etc.	46 25	
Day's Express, expressing	13 01	
Barker & Tibbets, " "	4 95	
Gilman's Express, " "	3 75	
North Cambridge Express, expressing	1 85	
Thorpe's Express, expressing	1 65	
J. A. McLane, use of horse and wagon	4 00	
Dennis Ryan, labor	33 00	
George L. Blackbird, labor	6 00	
Samuel H. Stevens, washing	23 14	
Mary A. Brown, washing	26 82	
<i>Amounts carried forward</i>	\$22,104 38	\$22,612 05

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 59

<i>Amounts brought forward</i>	\$22,104 38	\$22,612 05
E. W. Ring, bedding, washing, etc.	51 32	
T. H. Daly, washing	20 85	
Mrs. Calvert, washing	33 90	
M. Borrowscale, refreshments	2 30	
J. O. Goodwin, premium of insurance,	4 00	
W. C. Crane, " " "	9 37	
A. L. Sanborn, hack hire	7 50	
J. H. Brooks, dry goods	3 38	
Charlestown Gas Company, gas	70 80	
Cambridge Gas-light Company, gas	192 51	
First Congregational Society, part cost of repairing belfry	50 00	
Highways account, labor	17 25	
Water maintenance account, cement and sand	1 50	
H. B. Wells, veterinary services	24 00	
	<u>\$22,593 06</u>	
Excess and deficiency, balance to credit of account	18 99	
	<u></u>	<u>\$22,612 05</u>

HEALTH DEPARTMENT.

CREDIT.

Appropriations, amount assessed	\$3,500 00
Cash, received of George I. Vincent, permits to keep swine and goats, and collect grease	\$271 00
Sundry persons, money not called for	3 50
	<u>274 50</u>
	<u>\$3,774 50</u>

DEBIT.

Cash, paid W. H. Brine, inspector	\$976 00
W. H. Brine, fumigating	24 00
P. W. Skinner, fumigating	156 00
Highways account, collecting ashes	1,016 79
Martin Gill, collecting ashes	1,050 00
	<u>\$3,222 79</u>
<i>Amounts carried forward</i>	<u>\$3,774 50</u>

<i>Amounts brought forward</i>	\$3,222 79	\$3,774 50
George H. Cowden, peppermint tubes,	33 63	
Burt & Henshaw, sulphur	10 83	
Photo-electrotype Company, plate for maps	9 00	
Thomas Waterman, vaccine virus . .	72 80	
H. A. Martin, " "	8 50	
T. M. Durell, " "	8 50	
E. Leslie Colman, disinfectant powder,	3 50	
J. O. Hayden & Co., printing, etc. .	58 90	
Aaron R. Gay & Co., stationery . .	35 50	
R. M. Pulsifer, advertising	3 50	
Somerville "Chronicle," printing .	11 50	
E. S. Tobey, rent of post-office box,	4 00	
Howe & Flint, hardware	25	
Whitney & Snow, hardware	1 60	
Jackson, Caldwell, & Co., box	3 00	
L. H. Brown, carriage-hire	9 00	
P. H. Wellcome, "	5 00	
J. W. McDonald, officers' fees	2 20	
B. Boyce, " "	2 00	
James I. Murphy, " "	4 68	
James Battles, labor	24 94	
Daniel Haley, "	23 19	
D. Callahan, "	14 87	
Thomas Quinn, "	5 00	
Andrew Desmond, labor	1 75	
A. M. Prescott, teaming	9 00	
Sundry persons, burying dead ani- mals	58 00	
Sewers account, labor	7 63	
	<hr/>	
	\$3,655 06	
Excess and deficiency, balance to credit of account	119 44	
	<hr/>	
		\$3,774 50

HIGHWAYS.

CREDIT.

Appropriations, amount assessed	\$32,000 00	
Highway betterment assessments, assessments levied	\$4,173 81	
Cash, received of health-department, collecting ashes	1,016 79	
Broadway-park maintenance account, labor and materials	987 45	
Central-hill improvement account, labor and materials	270 51	
Fire-department account, labor	17 25	
Public-library building account, labor and materials	48 11	
Sewers account, labor and materials,	386 13	
Schoolhouse incidentals account, labor and materials	6 63	
Sidewalks account, edge-stone	12 65	
Water-maintenance account, crushed stone	3 00	
Watering-streets account, watering	2 46	
Arthur Murley, rent	64 00	
Thomas Ormand, "	72 00	
Town of Wakefield, gravel	16 00	
Noah Harding, hay	19 88	
R. M. Baldwin, "	18 64	
Charles-river Street-railway Company, edge-stones and bricks	82 24	
Hannibal S. Pond, filling	112 87	
John H. Stevens, tip-cart	15 00	
Martin Gill, "	20 00	
B. O. Wilson, horse	100 00	
H. G. Beane, pasturage	120 00	
Simon White, labor and materials	10 48	
Paul Kelley, " "	75	
F. Durnin, money not called for	88	
R. C. Downer, bricks for sidewalk,	35 10	
John E. Cayzer, driveway	4 75	
<i>Amounts carried forward</i>	<i>\$7,617 38</i>	<i>\$32,000 00</i>

<i>Amounts brought forward</i>	.	.	\$7,617 38	\$32,000 00
Samuel B. Lock, driveway	.	.	15 03	
A. L. Burdakin, "	.	.	3 42	
N. F. Lock, "	.	.	3 42	
George F. Kimball, "	.	.	12 87	
Seth C. Mason, "	.	.	7 38	
Estate of E. E. Cole, "	.	.	12 21	
David W. Crocker, "	.	.	13 35	
A. L. Cole, "	.	.	15 16	
Edwin S. Cole, "	.	.	15 16	
Albion Towle, "	.	.	10 23	
J. E. Snow, "	.	.	2 67	
D. B. Spaulding, "	.	.	3 42	
			<hr/>	7,731 70

\$39,731 70

DEBIT.

Cash, paid laborers	.	.	.	\$21,619 49
Frank G. Williams, Superintendent				
of Streets	.	.	.	1,500 00
Frank G. Williams, horse-keeping	.	.	.	417 17
" " horse	.	.	.	350 00
Fulton O'Brien, grain	.	.	.	568 31
Proctor Brothers, "	.	.	.	334 00
R. W. Willey & Co., hay and grain	.	.	.	214 59
Chase & Dutch, " "	.	.	.	367 66
A. M. Prescott, " "	.	.	.	487 71
James E. Whitaker, hay	.	.	.	173 25
" " land on Bow St.,	.	.	.	150 60
Timothy O'Brien, horseshoeing	.	.	.	304 84
W. H. Richardson & Co., horse-				
shoeing	.	.	.	2 38
Charles W. Ingalls, horseshoeing	.	.	.	67 31
Charles Maguire, "	.	.	.	1 50
Everett E. Onley, "	.	.	.	5 00
A. Clement, horseshoeing, etc.	.	.	.	25 49
Seward Dodge, " "	.	.	.	134 99
F. Dooris, blacksmithing	.	.	.	147 55
				<hr/>
<i>Amounts carried forward</i>	.	.	\$26,871 84	\$39,731 70

<i>Amounts brought forward</i>	.	\$26,871 84	\$39,731 70
John Kennedy, wheelwright work	.	71 50	
J. Leland, " "	.	9 15	
A. S. Symmes, harness-work	.	28 00	
" " sled	.	100 00	
E. Spalding, harness-work	.	90 60	
N. L. Pennock, "	.	42 00	
Hill & Langtry, harness trimmings	.	102 16	
James Forgie & Son, collars, etc.	.	141 35	
A. M. Bates, blankets	.	10 00	
H. W. Raymond, hardware	.	118 15	
W. L. Snow, "	.	11 31	
Cook, Rymes, & Co., tools	.	119 05	
Whitney & Snow, "	.	108 51	
J. Breck & Sons, "	.	21 77	
Underhill Brothers, "	.	3 30	
Parker & Wood, hay-cutter	.	20 80	
Hussey, Howe, & Co., steel	.	11 40	
American Steam Appliance Company, grate bars	.	25 00	
Morss & Whyte, screens	.	16 00	
G. Greenleaf & Co., screens	.	7 00	
Cutter & Parker, sash	.	65	
Farrell Foundry and Machine Com- pany, zinc	.	4 45	
Somerville Iron Foundry Company, castings	.	6 65	
Boston Belting Company, hose	.	2 71	
Asbestos Packing Company, belting,	.	48 00	
John Thresher & Co., bricks	.	363 25	
John Turner & Co., paving	.	73 05	
F. W. Rivinius & Co., granite-work,	.	23 00	
John P. Downey, paving-stones, gravel, etc.	.	2,385 83	
Thomas Woolly, gravel	.	18 24	
Sanborn & Hatch, bricks	.	38 70	
Jeremiah McCarty, ballast	.	735 79	
Charles J. Simpson, sand	.	15 50	
<i>Amounts carried forward</i>	.	\$31,644 71	\$39,731 70

<i>Amounts brought forward</i>	.	\$31,644 71	\$39,731 70
F. O. Reed <i>et al.</i> , gravel	.	74 80	
Adeline L. Rich, gravel	.	138 13	
M. Van Dusan, sand	.	10 00	
H. Gore & Co., round stone	.	344 63	
E. Fitzgerald, ledge stone	.	11 80	
John F. Ayer, lumber	.	373 88	
E. D. Sawyer & Co., lumber	.	11 50	
Page & Littlefield, turning	.	15 00	
Bishop Brothers, ladders	.	12 09	
Charles Gott, carts	.	341 00	
J. A. Litchfield, barrels	.	3 30	
S. L. Holt & Co., gauge glasses	.	1 10	
George H. Sampson, powder, etc.	.	291 79	
F. R. Knowlton, " "	.	33 40	
Charles H. North & Co., salt	.	8 48	
J. P. Squire & Co., " "	.	2 50	
Samuel Walker & Co., oil	.	40 36	
Joseph Jones & Co., oil, etc.	.	5 10	
Onley Brothers, " "	.	31 45	
F. Jones, " "	.	5 00	
Snow-flake Oil Company, oil	.	11 16	
Stickney & Poor, mustard-seed oil	.	75	
Charles S. Butters, tallow	.	70	
Howe & Flint, oil-can	.	1 25	
Cheney & Myrick, drugs	.	71 75	
Joseph J. Giles, mattress	.	7 00	
S. Cooper & Brother, horses	.	1,025 00	
Daniel M. Crocker, buggy, etc.	.	207 50	
J. Q. Twombly, painting	.	20 85	
F. Helling, " "	.	4 00	
M. D. Jones & Co., painting, etc.	.	15 50	
J. F. Burton, glazing	.	1 25	
J. A. Durell, plumbing	.	29 77	
T. B. Blaikie, carpenter-work	.	3 00	
N. C. Barker, " "	.	15 00	
William Hamilton, mowing	.	18 00	
Henry Gray, ploughing	.	32 00	
<i>Amounts carried forward</i>	.	\$34,864 50	\$39,731 70

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 65

<i>Amounts brought forward</i>	\$34,864 50	\$39,731 70
Estate of C. H. Russell, iron-roller	13 00	
Horatio Wellington & Co., fuel	265 87	
George M. Winslow & Co., "	24 11	
S. M. Fuller, "	3 50	
S. J. Wood, filing saws, etc.	9 75	
Christopher Burke, swill	72 50	
City of Boston, water-rates	59 04	
W. C. Crane, premium of insurance	15 00	
Aaron R. Gay & Co., stationery	36 00	
J. O. Hayden & Co., advertising	102 60	
A. L. Kimball, printing	2 00	
New-England Telephone and Tele- graph Company, rentals and service,	42 60	
E. R. Perham, expressing	3 85	
Blackall's Express, expressing	5 75	
Bancroft's Express, "	1 05	
H. B. Welles, veterinary services	38 00	
John Curran, damages	100 00	
Charles B. Stevens, recording	3 95	
Home Savings Bank, land taken to widen Bow Street.	175 00	
Mary Maguire, part cost of stone wall.	75 00	
Town of Medford, half cost of main- taining Middlesex-avenue Bridge	477 57	
Town of Winchester, taxes	8 55	
" " Wakefield, "	26 94	
" " Waltham, "	128 35	
Health-department, permit to keep swine	11 00	
Central-hill improvement account, stone	57 45	
Support of poor account, services of T. Garvin	22 50	
Excess and deficiency, balance to credit of account	3,086 27	
	<hr/>	<u>\$39,731 70</u>

HIGHWAY BETTERMENT ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, assessments	\$325 70	
Balance to debit in account, 1886	3,848 11	
	<hr/>	\$4,173 81

DEBIT.

Highways, assessments levied	<hr/>	\$4,173 81
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HANOVER FIRE-INSURANCE COMPANY.

CREDIT.

Cash, received for insurance	\$3,000 00
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DEBIT.

Balance from 1884	<hr/>	\$3,000 00
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INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed	\$500 00
State of Massachusetts (indigent soldiers and sail- ors), one-half of amount paid in 1885	494 00
	<hr/>
	\$994 00

DEBIT.

Cash, paid sundry persons	\$988 00	
Excess and deficiency, balance to credit of account	6 00	
	<hr/>	<hr/>
		\$994 00

INTEREST.

CREDIT.

Appropriations, amount assessed	\$58,000 00
Real-estate liens, interest on titles to the city on property deeded for non- payment of taxes and assessments,	\$26 69
<i>Amounts carried forward</i>	<hr/> \$26 69
	<hr/> \$58,000 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 67

<i>Amounts brought forward</i>	.	.	\$26 69	\$58,000 00
Cash, received on deposits in banks	.	.	964 61	
On taxes and assessments	.	.	7,115 95	
“ tax-titles released	.	.	10 42	
Of State treasurer, National Bank tax,	.	.	4,322 34	
Corporation tax	.	.	5,070 35	
Foreign ships tax	.	.	1,086 93	
Maverick National Bank, premium				
on bonds	.	.	1,689 00	
Blake Brothers & Co., premium on				
notes	.	.	11 00	
Boston Five Cents Savings Bank,				
premium on note	.	.	3 00	
			<hr/>	20,300 29
				<hr/>
				\$78,300 29

DEBIT.

Cash, paid on funded debt:—

\$87,000, six months at 6 per cent	.	\$2,610 00	
96,500, one year “ $5\frac{1}{2}$ “	.	5,307 50	
4,500, six months “ $5\frac{1}{2}$ “	.	123 75	
673,000, one year “ 5 “	.	33,650 00	
8,000, six months “ 5 “	.	200 00	
53,000, three “ “ 5 “	.	662 50	
386,000, one year “ 4 “	.	15,440 00	
25,000, six months “ 4 “	.	500 00	
		<hr/>	\$58,493 75
Less coupons unpaid	.	75 00	
		<hr/>	\$58,418 75
Sundry persons, coupons unpaid as above,		75 00	
		<hr/>	\$58,493 75
		<hr/>	

Cash, paid on temporary loans:—

Warren Institution for Savings, on			
note of \$50,000, six months at 4			
per cent	.	\$1,000 00	
		<hr/>	
<i>Amounts carried forward</i>	.	\$1,000 00	\$78,300 29

<i>Amounts brought forward</i>	.	.	\$1,000 00	\$78,300 29
Commonwealth of Massachusetts, on note of \$50,000, six months at 4 per cent	.	.	1,000 00	
Commonwealth of Massachusetts, on note of \$75,000, six months at $3\frac{7}{8}$ per cent	.	.	1,453 12	
New-England Trust Company, on note of \$25,000, five months at 3 per cent	.	.	312 50	
New-England Trust Company, on note of \$25,000, five months at 3 per cent	.	.	312 50	
New-England Trust Company, on note of \$25,000, five months at 3 per cent	.	.	312 50	
Blake Brothers & Co., on note of \$25,000, four months at $2\frac{1}{2}$ per cent,			208 33	
Blake Brothers & Co., on note of \$25,000, four months at $2\frac{1}{2}$ per cent,			208 33	
Blake Brothers & Co., on note of \$15,000, four months at $2\frac{1}{2}$ per cent,			125 00	
Boston Five Cents Savings Banks, on note of \$150,000, eight months at $3\frac{1}{2}$ per cent	.	.	3,500 00	
New-England Trust Company, on note of \$60,000, four months at $2\frac{1}{2}$ per cent	.	.	500 00	
			<u>\$8,932 28</u>	
On funded debt	.	.	\$58,493 75	
On temporary loans	.	.	8,932 28	
			<u>\$67,426 03</u>	
Water maintenance, transferred	.	.	1,200 00	
Public-library building, transferred	.	.	2,650 00	
Miscellaneous, transferred	.	.	1,000 00	
<i>Amounts carried forward</i>	.	.	\$72,276 03	\$78,300 29

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 69

<i>Amounts brought forward</i>	.	\$72,276 03	\$78,300 29
School contingent, transferred	.	3,300 00	
School-teachers' salaries, transferred	.	200 00	
Support of poor, transferred	.	1,000 00	
		<hr/>	
		\$76,776 03	
Excess and deficiency, balance to credit			
of account	.	1,524 26	
		<hr/>	
			\$78,300 29

LINCOLN SCHOOLHOUSE.

CREDIT.

Balance from 1884	.		\$2,966 87
Appropriations, amount assessed	.		6,500 00
Excess and deficiency, transferred	.		3,000 00
Cash, received of S. B. Lock & Co., old			
iron	.	\$10 57	
John C. Garrett, old iron	.	8 81	
		<hr/>	
			19 38
			<hr/>
			\$12,486 25

DEBIT.

Cash, paid C. F. Palmer, mason-work	.	\$1,322 53	
J. H. Stevens, carpenter-work	.	8,850 00	
Fred C. Fuller,	"	15 00	
L. Arnold,	"	15 00	
L. C. Dunklee,	"	31 50	
John F. Ayer, lumber	.	2 17	
W. H. Wood & Co., lumber	.	23 96	
Walter C. Bates, concreting	.	57 60	
W. L. Snow, heating-apparatus	.	657 81	
John Turner & Co., granite	.	21 00	
Smith & Co., umbrella-stand	.	32 00	
George W. Prichard, grading	.	50 00	
J. A. Swasey, blackboards	.	70 70	
H. W. Raymond, hardware	.	4 52	
J. J. Underhill, teaming	.	2 64	
George Dunbar & Co., ash-barrels	.	17 50	
George M. D. Fernald, bells, etc.	.	22 00	
		<hr/>	
<i>Amounts carried forward</i>	.	\$11,195 93	\$12,486 25

<i>Amounts brought forward</i>	.	\$11,195 93	\$12,486 25
S. B. Manning, clocks	.	24 00	
J. A. Durell, shellac and brushes	.	3 80	
S. J. Wood, keys	.	2 50	
Barker & Tibbetts, expressing	.	11 50	
George L. Borrowscale, labor	.	12 00	
James Rogers,	"	13 13	
George F. Loring, architect	.	591 90	
A. G. Whitcomb, furniture	.	210 95	
Schoolhouse incidentals account,			
furniture	.	400 85	
Water-service account, service-pipe	.	6 79	
		<hr/>	
		\$12,473 35	
Excess and deficiency	.	12 90	
		<hr/>	
			\$12,486 25

MISCELLANEOUS.

CREDIT.

Appropriations, amount assessed	.	.	.	\$3,000 00
Excess and deficiency, transferred	.	.	.	758 46
Interest,	"	.	.	1,000 00
Water loan interest,	"	.	.	1,000 00
Real-estate liens, costs on titles to the city				
on property deeded for non-payment				
of taxes and assessments	.	.	\$86 35	
Cash, received of sundry persons, costs				
on property sold and prepared for				
sale for non-payment of taxes and				
assessments	.	.	915 07	
On real-estate liens released	.	.	6 00	
Sundry persons, liquor-licenses	.		17 00	
Thomas Cunningham, milk inspect-				
or's fees	.	.	128 50	
Richard Falvey, on account of ver-				
dict, Stepp vs. City of Somerville	.		400 00	
L. G. Trott, money not called for	.		3 00	
Charles E. Gilman, city clerk:—				
Marriage certificates	.	\$145 50		
		<hr/>		
<i>Amounts carried forward,</i>	\$145 50	\$1,555 92	\$5,758 46	

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 71

<i>Amounts brought forward,</i>	\$145 50	\$1,555 92	\$5,758 46
Junk-licenses . . .	74 00		
Auctioneers' licenses . .	14 00		
Licensing dogs . . .	166 60		
Pool and billiard tables licensed	6 00		
Recording mortgages . .	298 72		
" liquor-licenses . .	17 00		
	<hr/>	721 82	
			2,277 74
Excess and deficiency, balance to debit of account			128 62
			<hr/>
			\$8,164 82

DEBIT.

Cash, paid J. O. Hayden & Co., printing and advertising	\$24 00		
Babb & Stephens, printing . . .	15 75		
Aaron R. Gay & Co., stationery . .	65 16		
F. C. Fuller, carpenter-work . . .	299 55		
R. A. Melvin, "	20 70		
R. A. Stevens, "	3 38		
J. H. Stevens, "	1 50		
Elijah Walker, "	1 30		
J. F. Walker, "	75		
L. C. Dunklee, "	3 00		
J. Q. Twombly, painting	17 20		
F. W. Johnson, "	13 59		
Alfred D. McCann, "	38 73		
J. H. Hollis, painting	16 50		
James F. Davlin, plumbing	10 43		
L. C. Seavey, slating	3 76		
H. W. Raymond, hardware	32 01		
Whitney & Snow, "	19 73		
Charles Holmes & Son, hardware . .	2 00		
J. A. Durell, use of stove, etc. . .	92 20		
Harrison, Beard, & Co., furniture . .	213 75		
Paine's Furniture Company, furniture	70 00		
Smith & Co., furniture	135 00		
	<hr/>		
<i>Amounts carried forward</i>	\$1,099 99		\$8,164 82

<i>Amounts brought forward</i>	\$1,099 99	\$8,164 82
Derby & Kilmer Desk Co., desks	87 00	
Jackson, Caldwell, & Co., furniture, etc.	123 61	
H. A. Hartley & Co., carpets	385 80	
Howe & Flint, globes	3 58	
J. M. D. Fernald, bells, etc.	25 60	
Domestic Electrical Manufacturing Company, igniter	3 75	
John Harwood, punches	2 75	
Educational Supply Company, lacta- scope	6 95	
Frost & Adams, engineers' supplies	2 00	
Buff & Berger, repairing instruments,	9 05	
Wadsworth Brothers & Howland, paint, etc.	50 56	
Watson & Bisbee, drawing tables	25 00	
S. Thaxter & Sons, engineers' in- struments	15 00	
Oliver White & Co., screens	2 33	
J. T. Butler, repairing furniture	25 00	
A. A. Sanborn, steam-fitting	14 80	
N. L. Chamberlain, stamp	8 70	
Ingalls & Kendricken, repairing heat- ing-apparatus	2 05	
Bishop & Brother, ladder	4 00	
S. C. Ballot-box Company, repairs	2 60	
Walter S. Barnes, boxes	12 00	
Bakers & Humphrey, bunting, etc.	13 00	
G. W. Manning, labor on flag-staffs,	58 00	
Hall Rubber Company, mats	6 50	
L. W. Chilson, painting signs	1 00	
Richard Keefe, photographs	150 00	
A. W. Mitchell, plate	5 00	
Daniel Crocker, cleaning clocks	1 50	
W. P. Plimpton, polish	1 10	
Robbins & Lyons, disinfectant	3 00	
E. Leslie Colman, "	1 50	
<i>Amounts carried forward</i>	\$2,152 72	\$8,164 82

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 73

<i>Amounts brought forward</i>	.	.	\$2,152 72	\$8,164 82
E. A. Carter, blacking case	.	.	2 00	
J. H. Brooks, cloth	.	.	73	
Thomas Hollis, camphor, etc.	.	.	4 85	
Charles Bartley, oil, etc.	.	.	8 50	
J. J. Fenelon, alcohol	.	.	1 60	
M. C. Warren, hardware	.	.	1 00	
Seward Dodge, blacksmithing	.	.	3 13	
George W. Prichard, teaming	.	.	12 00	
Pulsifer, Jordan, & Wilson, paper	.	.	7 15	
W. A. Greenough & Co., directories,	.	.	12 00	
Justin Winsor, address	.	.	100 00	
T. O. Edmands, music	.	.	42 00	
A. L. Sanborn, carriage-hire	.	.	55 50	
S. D. Carter, refreshments	.	.	45 00	
J. Tyler Hicks, "	.	.	32 00	
Dee Brothers, flowers	.	.	65 00	
William H. Pool, gas-fixtures	.	.	221 49	
Charles A. Gilman, stamps	.	.	17 18	
C. M. Blake, newspapers	.	.	6 00	
New-England Telephone and Tele- graph Company, rentals, etc.	.	.	166 80	
E. S. Tobey, post-office box	.	.	4 00	
S. J. Wood, fitting keys, etc.	.	.	22 90	
George M. Winslow & Co., fuel	.	.	89 49	
W. J. London, expressing	.	.	9 60	
Barker & Tibbetts, "	.	.	25	
Bancroft's Express, "	.	.	55	
E. R. Perham, "	.	.	4 00	
Horatio Wellington & Co., fuel	.	.	132 11	
Cambridge Gas-light Company, gas	.	.	255 58	
W. H. Whitcomb, labor	.	.	232 50	
A. M. Prescott, "	.	.	53 00	
L. B. Angier, "	.	.	18 00	
Nathaniel Fish, "	.	.	75	
James Kelley, "	.	.	4 50	
George Blackbird, "	.	.	4 37	
James Deacon, "	.	.	1 75	
<i>Amounts carried forward</i>	.	.	\$3,790 00	\$8,164 82

<i>Amounts brought forward</i>	.	.	\$3,790 00	\$8,164 82
E. E. Arnold, labor	.	.	7 75	
L. M. Maynard, "	.	.	22 25	
Robert T. Thompson, labor	.	.	8 00	
J. M. Coburn, "	.	.	6 00	
Engineers' assistants, car-fares, etc.			19 93	
Henry Shaw, posting	.	.	12 30	
J. A. McLane, "	.	.	28 00	
George Cullis, affidavit of posting	.		69 50	
C. S. Robinson, clerical services	.		30 00	
M. A. Perry, " "	.		16 33	
C. M. Smith, " "	.		16 33	
Walter Rogers, " "	.		25 00	
Charles B. Stevens, recording	.		12 00	
J. T. Cummings, doorkeeper for as-				
sessors	.	.	11 00	
S. H. Libby, services as auctioneer	.		11 70	
George I. Vincent, travelling expenses,			4 50	
Clerk of courts, fees	.	.	2 10	
Commonwealth of Massachusetts,				
one-fourth of amount received for				
liquor-licenses	.	.	4 25	
J. A. Cobb, repairing flags, etc.	.		8 80	
M. A. Mann, washing	.	.	18 60	
Jarius Mann, watching city hall	.		50 00	
" " for expenses steamer				
" " " " " " " "	.		51 75	
A. E. Mann, services at city hall	.		2 80	
Willard C. Kingsley Post 139,				
G.A.R., observance of Memorial				
Day	.	.	300 00	
T. G. Poland, tolling bell	.	.	1 00	
Philip Eberle, rent of hall	.	.	50 00	
Charles Robinson, jun., rent	.	.	15 00	
George D. Wildes, " "	.	.	15 00	
West Somerville Lacrosse Club, rent,			16 00	
Somerville Athletic Club, "			28 00	
A. Kenneson, "			30 00	
<i>Amounts carried forward</i>	.	.	\$4,683 89	\$8,164 82

<i>Amounts brought forward</i>	\$4,683 89	\$8,164 82
F. Q. Harrington, poultry for Thanks-giving	24 50	
Lord & Brigham, poultry for Thanks-giving	57 80	
William S. Ward, poultry for Thanks-giving	46 55	
L. G. Dearborn, poultry for Thanks-giving	24 44	
Noah Harding, sealer of weights and measures	100 00	
Charles A. Small, poundkeeper	25 00	
Sewers account, resetting bounds	10 69	
Ward officers, 1884	41 00	
Ward officers, 1885	288 00	
City of Boston, water-rates	9 91	
P. H. Rafferty, return of deaths	16 25	
H. B. Runey, " " "	28 75	
W. A. Flaherty, " " "	25 00	
E. H. Marsh, " " "	9 00	
C. H. Lockhart, " " "	18 50	
George Cullis, return of births	148 50	
H. P. Mackechnie, return of births	1 50	
E. A. Sanborn, " " "	3 50	
R. L. Lane, " " "	4 75	
Reuben Willis, " " "	6 00	
J. A. Gregg, " " "	3 00	
J. L. Hildreth, " " "	75	
J. F. Couch, " " "	32 50	
W. A. Bell, " " "	11 25	
W. L. Kimball, services in Stepp case,	75 00	
Eben Jackson, " " " "	125 00	
S. G. Webber, " " " "	200 00	
Joseph R. Smith, attorney, verdict Stepp case	719 86	
G. M. Park, attorney, verdict Kendall case	1,108 09	
John Weild, damages	50 00	
Samuel C. Darling, disbursements	265 84	
		<u>\$8,164 82</u>

OVERLAY AND ABATEMENT.

CREDIT.

Balance from 1884	\$6,045 37
Taxes, amount added to the amount of taxes assessed as fractional divisions, for convenience in the apportionment to be applied to abatement on taxes	7,748 10
	<u>\$13,793 47</u>

DEBIT.

Taxes, for abatements on taxes	\$7,448 71
Balance to credit in account, 1886	6,344 76
	<u>\$13,793 47</u>

OVERPLUS ON TAX SALES.

CREDIT.

Balance from 1884	\$102 13
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DEBIT.

Balance to credit in account, 1886	<u>\$102 13</u>
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PROPERTY AND DEBT BALANCE.

CREDIT.

Renewals of funded debt	\$160,500 00
Public property, acquired during the year 1885	34,735 68
Balance to debit in account, 1886	290,073 36
	<u>\$485,309 04</u>

DEBIT.

Balance from 1884	\$384,809 04
Appropriations	100,500 00
	<u>\$485,309 04</u>

PUBLIC PROPERTY.

CREDIT.

Balance to debit in account, 1886	\$1,234,926 64
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DEBIT.

Property and debt balance, property acquired during the year	\$34,735 68
Balance from 1884	1,200,190 96
	<u>\$1,234,926 64</u>

PUBLIC LIBRARY.

CREDIT.

Balance from 1884	\$25 00	
Appropriations, amount assessed	2,500 00	
Cash, received of county treasurer return		
on dog-licenses, 1884 \$1,402 04		
Librarian, fines 150 29		
" catalogues 39 17		
	<hr/>	1,591 50
		<hr/>
		\$4,116 50

DEBIT.

Cash, paid Lockwood, Brooks, & Co.,		
books	\$211 83	
Little, Brown, & Co., books	1,059 93	
Estes & Lauriat, "	88 61	
S. E. Cassino & Co., "	48 00	
W. B. Clarke & Carruth, books	275 52	
William Veazie, "	37 00	
Mason & Fowler, "	5 50	
George S. Mann, "	3 50	
Publishers of " Nation " magazine	3 00	
" " " Science " magazine	10 00	
Babb & Stephens, printing	176 00	
Rockwell & Churchill, printing	26 85	
J. O. Hayden & Co., "	14 75	
Ira Bradley & Co., binding	45 91	
J. G. Roberts & Co., "	6 45	
Hollingsworth & Whitney Co., covers,	20 16	
C. M. Blake, newspapers	6 00	
Aaron R. Gay & Co., stamps	8 80	
Hooper, Lewis, & Co., stationery	5 50	
S. H. Libby, premium of insurance	21 60	
Jackson, Caldwell, & Co., furniture	54 00	
W. H. Pool, gas-fixtures	10 85	
A. W. Mitchell, door-plate	3 00	
H. W. Raymond, basket, etc.	1 25	
S. J. Wood, keys, etc.	12 80	
	<hr/>	
<i>Amounts carried forward</i>	\$2,156 81	\$4,116 50

<i>Amounts brought forward</i>	.	.	\$2,156 81	\$4,116 50
Whitney & Snow, hardware	.	.	19 77	
Horatio Wellington & Co., fuel	.	.	49 30	
George M. Winslow & Co., "	.	.	81 18	
Walker & Pratt Manufacturing Com- pany, repairing heating-apparatus,			1 85	
Charles Bartley, naphtha, etc.	.	.	98	
W. J. London, expressing	.	.	31 55	
Barker & Tibbetts, expressing	.	.	1 35	
Bancroft's Express, "	.	.	75	
A. M. Prescott, moving books	.	.	34 00	
L. C. Dunklee, carpentering	.	.	1 50	
Cambridge Gas-light Company, gas,			3 96	
City of Boston, water-rates	.	.	1 60	
Jairus Mann, labor	.	.	30 00	
Kate Leonard, "	.	.	1 00	
Mary L. Aldrich, copying	.	.	4 00	
H. A. Adams, librarian	.	.	700 00	
Lizzie Stevens, librarian's assistant,			362 50	
Georgette Colman, " "			10 90	
Lottie B. Hopkins, " "			157 70	
Amy Manning, " "			17 80	
Ida Fillebrown, " "			6 20	
Herbert Foster, " "			16 20	
Herbert Smith, " "			15 40	
H. Pillsbury, " "			7 60	
			<hr/>	
			\$3,713 90	
Balance to credit in account, 1886	.	.	402 60	
			<hr/>	
				\$4,116 50

PUBLIC-LIBRARY BUILDING.

CREDIT.

Balance from 1884	.	.	.	.	.	\$2,090 69
Appropriations, amount assessed	.	.	.	.	.	1,000 00
Excess and deficiency, transferred	.	.	.	.	.	10,000 00
Interest, transferred	.	.	.	.	.	2,650 00
						<hr/>
<i>Amount carried forward</i>	.	.	.	.	.	\$15,740 69

Amount brought forward \$15,740 69

DEBIT.

Cash, paid W. B. Stinson, interior finish, \$10,026 55	
Fred. C. Fuller, carpenter-work	646 58
W. L. Clark & Co., mason-work	1,259 00
Walker, Pratt, & Co., heating-appa- ratus	1,204 40
Horatio Wellington & Co., fuel	130 33
George W. Prichard, grading, etc.	738 50
James H. Smith, janitor	123 75
William H. Whitcomb, janitor	123 00
Charles Holmes & Son, plumbing	30 08
J. L. Bragdon, painting	25 25
A. Fisher, glazing	2 00
George R. Clark & Co., glass	5 13
L. C. Duncklee, window-screen, etc.	6 50
Holland & Daniels, window-shades	30 40
Stillman & Nicoll, repairing gas-fixture,	5 75
George Dunbar & Co., ash-barrels, etc.	38 54
H. W. Raymond & Co., hardware	11 65
S. J. Wood, keys, etc.	1 50
I. B. Kendall, premium of insurance,	17 50
D. F. Bennett, " " "	27 50
W. C. Crane, " " "	150 00
A. H. Davenport, umbrella-stand	30 00
Cambridge Gas-light Company, gas	9 50
L. M. Maynard, labor	30 50
Thomas Young, "	12 00
Highways account, labor	48 11
W. H. Pool, "	80
J. Stevens. "	79
J. A. Cobb, "	1 00
Thorpe's Express, expressing	50
Walter Bates, concreting	108 00
Bishop & Brother, ladder, etc.	3 83
F. G. Ray & Co., cotton	3 45
George F. Loring, architect	576 75
	<hr/>
	\$15,429 14
Balance to credit in account, 1886	311 55
	<hr/>

\$15,740 69

POLICE.

CREDIT.

Appropriations, amount assessed	\$23,000 00
Cash, received of H. A. Chapin, clerk of court, for officers' fees, fines, etc.	2,094 49
	<hr/>
	\$25,094 49

DEBIT.

Cash, paid M. C. Parkhurst, chief . . .	\$1,500 00
R. R. Perry, captain . . .	1,200 00
Samuel R. Dow, sergeant . . .	1,000 00
Edward McGarr, " . . .	1,000 00
C. C. Cavanagh, " . . .	946 67
C. C. Folsom, " . . .	499 98
George W. Bean, patrolman . . .	912 50
Samuel A. Brown, " . . .	912 50
George A. Bodge, " . . .	912 50
George H. Carleton, " . . .	912 50
Edward M. Carter, " . . .	912 50
Eugene A. Carter, " . . .	912 50
Anson H. Eaton, " . . .	806 50
John E. Fuller, " . . .	912 50
Edd F. Fales, " . . .	854 50
John Hafford, " . . .	912 50
John F. Johnson, " . . .	912 50
Myron H. Kinsley, " . . .	912 50
Dennis Kelley, " . . .	912 50
Ivan Loughton, " . . .	912 50
Herbert H. Miller, " . . .	902 50
Judson W. Oliver, " . . .	912 50
P. W. Skinner, " . . .	877 50
Albion L. Staples, " . . .	912 50
George L. Smith, " . . .	912 50
Edward E. Hamblin, patrolman (special)	324 00
George H. Perkins, patrolman (special)	24 00

<i>Amounts carried forward</i>	\$23,623 15	\$25,094 49
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<i>Amounts brought forward</i>	\$23,623 15	\$25,094 49
E. L. Robinson, patrolman (special),	56 00	
C. H. Smith, " "	8 30	
J. W. Skinner, " "	82 00	
M. C. Parkhurst, lockup keeper	100 00	
" " stamps, etc.	4 25	
C. C. Folsom, travelling-expenses	3 80	
C. C. Cavanagh, "	13 20	
Samuel R. Dow, "	24 18	
Richard Keefe, photographing	18 50	
H. A. Winship, weapons	12 00	
Scoville Manufacturing Company,		
buttons and dies	130 63	
A. W. Mitchell, badge	50 00	
Boston Nickel Plating Company, re-		
pairing handcuff	2 00	
New-England Telephone and Tele-		
graph Company, rentals and service,	33 80	
Little, Brown, & Co., law-books	9 50	
M. L. Tobin, directory	2 00	
J. O. Hayden & Co., advertising, etc.	20 10	
Aaron R. Gay & Co., stationery	34 71	
"Somerville Chronicle," advertising,	7 00	
C. M. Blake, newspapers	7 50	
Union-square Carriage Company, re-		
pairing wagon	2 50	
Sturtevant Brothers, crackers, etc.	3 01	
N. L. Pennock, harness-work	2 25	
Seward Dodge, horseshoeing	11 50	
W. D. Hayden, scales, etc.	16 86	
L. H. Brown, carriage-hire	35 00	
Charles W. Ingalls, carriage-hire	5 00	
W. J. London, expressing	50	
Bancroft's Express, expressing	40	
A. L. Sanborn, horsekeeping	262 81	
Sarah Keefe, washing	12 36	
Lizzie Avery, " "	9 06	
William A. Bell, professional services,	14 00	
<i>Amounts carried forward</i>	\$24,617 87	\$25,094 49

<i>Amounts brought forward</i>	\$24,617 87	\$25,094 49
Emory L. White, professional services,	8 00	
	<hr/>	
	\$24,625 87	
Excess and deficiency, balance to credit of account	468 62	\$25,094 49
	<hr/>	<hr/>

POLICE-STATION INCIDENTALS.

CREDIT.

Appropriations, amount assessed		\$1,500 00
Cash, received of Somerville Co-operative Bank, use of hall	\$40 00	
Ancient Order of Hibernians, use of hall	31 00	
L. E. Chandler, use of hall	75 00	
Somerville Lacrosse Club, use of hall,	20 00	
First Universalist Society, " "	20 00	
Somerville Police Association, use of hall	15 00	
St. Joseph's Church, use of hall	15 00	
Bleachery Associates, " "	41 00	
Somerville Dancing-school Associa- tion, use of hall	132 00	
N. K. Bishop, use of hall	12 00	
	<hr/>	401 00
		<hr/>
		\$1,901 00

DEBIT.

Cash, paid W. D. Hayden, janitor	\$750 00	
W. D. Hayden, extra help employed,	14 00	
Cambridge Gas-light Company, gas	260 41	
Walworth Manufacturing Company, gasoline	111 90	
John Stevens, carpenter-work	84	
R. A. Stevens, "	11 55	
L. Arnold, "	71 28	
James F. Davlin, plumbing	1 50	
C. A. Legallee, "	6 00	
D. B. Bucknam, whitewashing	71 50	
	<hr/>	
<i>Amounts carried forward</i>	\$1,298 98	\$1,901 00

<i>Amounts brought forward</i>	.	.	\$1,298 98	\$1,901 00
H. W. Raymond, hardware	.	.	25 91	
W. L. Snow, " "	.	.	85	
Howe & Flint, " "	.	.	1 90	
A. J. Wilkinson & Co., hardware	.	.	2 75	
J. Q. Twombly, glazing	.	.	17 85	
H. Wellington & Co., fuel	.	.	67 66	
G. M. Winslow & Co., " "	.	.	157 34	
Domestic Electrical Manufacturing				
Company, igniter	.	.	7 50	
Union Glass Company, globes	.	.	2 00	
Joseph J. Giles, furniture	.	.	60 75	
Kilborn, Whitman, & Co., furniture	.	.	88 00	
H. A. Hartley & Co., carpeting	.	.	52 13	
H. A. Chick, laying carpet, etc.	.	.	12 00	
Jackson, Caldwell, & Co., repairing				
furniture	.	.	4 75	
Morss & Whyte, iron gate	.	.	16 50	
S. J. Wood, fitting keys	.	.	1 00	
Star Compound Company, compound				
for cleaning	.	.	2 50	
Sturtevant Brothers, matches	.	.	1 00	
Thorpe's Express, expressing	.	.	7 00	
W. C. Crane, premium of insurance	.	.	20 00	
City of Boston, water-rates	.	.	16 78	
			<hr/>	
			\$1,865 15	
Excess and deficiency, balance to credit				
of account	.	.	35 85	
			<hr/>	
				<hr/> <hr/>
				\$1,901 00

PRINTING AND STATIONERY.

CREDIT.

Appropriations, amount assessed	.	.	.	\$3,000 00
Cash, received of James P. Fegan, adver-				
tising hearing	.	.	.	\$3 00
C. W. Lyman, advertising hearing	.	.	.	4 50
			<hr/>	<hr/>
<i>Amount carried forward</i>	.	.	.	\$3,007 50

Amount brought forward \$3,007 50

DEBIT.

Cash, paid Aaron R. Gay & Co., station- ery	\$889 33
J. O. Hayden & Co., printing . . .	1,082 17
J. A. Cummings & Co., " . . .	163 00
Rand, Avery, & Co., " . . .	705 30
J. W. Bufford's Sons, bonds . . .	57 00
M. L. Tobin, stationery	3 90
A. W. Mitchell, stamps	2 10
"Somerville Chronicle," advertising,	45 50
Derby & Kilmer Desk Company, inkstand	3 50
J. A. McLane, posting	19 00
	<hr/>
	\$2,970 80

Excess and deficiency, balance to credit
of account 36 70

\$3,007 50

REAL-ESTATE LIENS.

CREDIT.

Cash, received of sundry persons for tax- titles released	\$73 58
Balance to debit in account, 1886	507 54
	<hr/>
	\$581 12

DEBIT.

Balance from 1884	\$73 58
Taxes, titles deeded to the city for non- payment of taxes	16 70
Sewer assessments, titles deeded to the city for non-payment of sewer as- sessments	377 80
Interest, titles deeded to the city for non- payment of taxes and assessments,	26 69
Miscellaneous, titles deeded to the city for non-payment of taxes and assess- ments	86 36
	<hr/>
	\$581 12

RENEWAL OF FUNDED DEBT.

CREDIT.

Appropriations, amount authorized by loans . . .	\$100,500 00
Reduction of funded debt, amount of bonds retired in 1885	60,000 00
	<u>\$160,500 00</u>

DEBIT.

Property and debt balance, amount of funded debt paid in 1885	\$160,500 00
	<u><u>\$160,500 00</u></u>

REDUCTION OF FUNDED DEBT.

CREDIT.

Cash, received of commissioners of the sinking-funds,	\$60,000 00
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DEBIT.

Renewals of funded debt, amount of funded debt reduction in 1885	\$60,000 00
	<u><u>\$60,000 00</u></u>

SINKING-FUND CONTRIBUTIONS.

CREDIT.

Appropriations, amount assessed	\$45,100 00
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DEBIT.

Cash, paid commissioners of sinking-funds . . .	\$45,100 00
	<u><u>\$45,100 00</u></u>

STATE AID.

CREDIT.

State of Massachusetts, State aid, amount paid in 1885 charged to State	\$3,738 00
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DEBIT.

Cash, paid monthly pay-rolls for aid	\$3,738 00
	<u><u>\$3,738 00</u></u>

STATE OF MASSACHUSETTS.

CREDIT.

Taxes, amount assessed	\$19,725 00
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DEBIT.

Cash, paid State treasurer, State tax	\$19,725 00
	<u><u>\$19,725 00</u></u>

STATE OF MASSACHUSETTS.—STATE AID.

CREDIT.

Cash, received of State treasurer	\$3,717 00
Balance, Dec. 31, 1885, due from State, Dec. 1, 1886, to debit in account, 1886	3,568 00
	<hr/>
	\$7,285 00

DEBIT.

Balance from 1884	\$3,574 00
State aid, amount paid in 1885 as per account	3,711 00
	<hr/>
	\$7,285 00

STATE OF MASSACHUSETTS.—INDIGENT SOLDIERS
AND SAILORS.

CREDIT.

Cash, received of State treasurer	\$484 00
Balance, Dec. 31, 1885, due from State, Dec. 1, 1886, to debit in account, 1886	482 00
	<hr/>
	\$966 00

DEBIT.

Balance from 1884	\$472 00
Indigent soldiers and sailors, one-half of amount paid in 1885, as per account,	494 00
	<hr/>
	\$966 00

SUNDRY PERSONS.

CREDIT.

Balance from 1884	\$1,473 94
Interest, coupons due and unpaid	75 00
Water loan interest, due and unpaid	12 50
	<hr/>
	\$1,561 44

DEBIT.

Cash, paid sundry persons amounts to their credit	\$375 00
Balance to credit in account, 1886	1,186 44
	<hr/>
	\$1,561 44

SALARIES.

CREDIT.

Appropriations, amount assessed	\$21,000 00
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DEBIT.

Cash, paid Mark F. Burns, mayor . .	\$1,000 00
Charles E. Gilman, city clerk . .	2,100 00
John F. Cole, city treasurer and col- lector of taxes	3,100 00
George A. Kimball, city engineer . .	2,000 00
Samuel C. Darling, city solicitor . .	1,000 00
T. M. Durell, city physician . .	850 00
Douglas Frazar, city auditor . .	350 00
“ “ clerk of common council . .	200 00
George I. Vincent, clerk of assessors and committees	1,700 00
William P. Mitchell, assistant clerk of committees	1,100 00
Jairus Mann, city messenger . .	1,400 00
Thomas R. Roulstone, superintendent of buildings and street-lights . .	933 34
Aaron Sargent, treasurer of commis- sioners of sinking-funds . .	200 00
Elijah Walker, inspector of buildings,	200 00
Thomas Cunningham, inspector of milk	80 83
Stillman H. Libby, assessor . .	500 00
Benjamin F. Thompson, assessor . .	500 00
George W. Hadley, “ . .	500 00
George W. Bartlett, assistant assessor	200 00
William A. Flaherty, “ “	200 00
Reuben T. Melvin, “ “	200 00
Samuel T. Richards, “ “	200 00
John Viall, registrar of voters . .	150 00
Charles E. Gilman, registrar of voters	200 00
J. Frank Wellington, “ “ “	200 00
John R. Conant, “ “ “	200 00

<i>Amounts carried forward</i> . .	\$19,264 17	\$21,000 00
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<i>Amounts brought forward</i>	.	\$19,264 17	\$21,000 00
Engineer's assistants	.	1,351 95	
“ “ survey of city	.	300 00	
		<hr/>	
		\$20,916 12	
Excess and deficiency, balance to credit			
of account	.	83 88	
		<hr/>	\$21,000 00
			<hr/>

STREET-LIGHTS.

CREDIT.

Appropriations, amount assessed	.	.	.	.	\$7,500 00
Water loan interest, transferred	.	.	.	.	1,500 00
					<hr/>
					\$9,000 00

Cash, received of Harrison Aldrich <i>et al.</i> ,					
lamp-post	.	.	.	.	\$20 00
F. M. Sparrow <i>et al.</i> , lamp-post	.				40 00
Isaac R. Hadwen <i>et al.</i> , “	.				20 00
John McCarthy <i>et al.</i> , “	.				20 00
F. A. Tilden <i>et al.</i> , “	.				20 00
John Manning, “	.				20 00
Wilbur S. Clark, “	.				20 00
J. W. Roberts <i>et al.</i> , “	.				20 00
N. L. Stebbins “	.				20 00
Haydn Sargent “	.				20 00
H. D. Osgood, “	.				20 00
H. G. Ashton <i>et al.</i> , “	.				20 00
Samuel C. Darling <i>et al.</i> , “	.				20 00
L. W. Jones <i>et al.</i> , “	.				20 00
F. E. Bowers, “	.				20 00
Charles B. Wood, damage to lamp-					
post	.	.	.	.	16 78
John Cleary, damage to lamp-post	.				1 48
					<hr/>

338 26

\$9,338 26

DEBIT.

Cash, paid Cambridge Gas-light Com-					
pany, gas	.	.	.	.	\$2,980 26
					<hr/>
<i>Amounts carried forward</i>	.	.	.	.	\$2,980 26
					<hr/>
					\$9,338 26

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 89

<i>Amounts brought forward</i>	.	.	\$2,980 26	\$9,338 26
Cambridge Gas-light Company, pip-				
ing, etc.	.	.	164 28	
Charlestown Gas Company, gas	.		2,520 86	
“ “ “ piping, etc.	.		52 88	
Christopher Burke, lighting and care				
of lamps	.	.	2,171 66	
Maverick Oil Company, naphtha	.		145 70	
A. F. Carpenter, “	.		1 50	
Holmes & Adams, gasoline	.		161 93	
A. H. Weld & Son, alcohol	.		18 40	
William B. Berry & Co., lamps, posts,				
etc.	.	.	254 20	
Nathaniel Tufts, lamps, etc.	.		305 62	
Cook, Rymes, & Co., iron-work	.		56 75	
Joseph Breck & Sons, torches	.		75	
F. E. Garland, “	.		18 00	
Hills, Turner, & Co., glass	.		69 08	
R. Sherburn, “	.		2 50	
Lambert Brothers, diamond	.		4 50	
Bishop & Brother, ladders	.		16 00	
J. Jones & Co., oil, etc.	.		1 25	
J. A. Durell, repairing lamps	.		129 85	
W. L. Snow, “ “	.		6 30	
David W. Crocker, repairing lamps	.		2 00	
F. Dooris, “ “	.		50	
Evereth E. Onley, “ “	.		50	
Aaron R. Gay & Co., stationery	.		4 50	
J. O. Hayden & Co., advertising	.		5 40	
W. J. London, expressing	.		12 50	
S. T. Robinson, teaming	.		1 00	
A. M. Prescott, “	.		1 50	
Steele & Webster, “	.		38	
			<hr/>	
			\$9,110 55	

Excess and deficiency, balance to credit of
account 227 71

\$9,338 26

SIDEWALKS.

CREDIT.

Appropriations, amount assessed	\$3,000 00
Sidewalk assessments, assessments levied	2,099 93
	<hr/>
	\$5,099 93

DEBIT.

Cash, paid laborers	\$665 13
J. P. Downey, edge-stones	2,715 38
John Thresher & Co., bricks	357 50
"Somerville Chronicle," advertising	4 00
J. O. Hayden & Co., "	36 00
Highways account, labor and materials	398 78
Sewers account, catch-basin curbs	23 61
	<hr/>
	\$4,200 40
Central-hill improvement, transferred	600 00
	<hr/>
	\$4,800 40
Excess and deficiency, balance to credit of account	299 53
	<hr/>
	<u>\$5,099 93</u>

SIDEWALK ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, assessments	\$1,558 13
Balance to debit in account, 1886	1,459 07
	<hr/>
	\$3,017 20

DEBIT.

Balance from 1884	\$917 27
Sidewalks, assessments levied	2,099 93
	<hr/>
	<u>\$3,017 20</u>

SEWERS.

CREDIT.

Appropriations, amount assessed	\$8,500 00
Cash, received of Michael B. Dewire, fee for entering Line-street sewer	\$70 00
	<hr/>
<i>Amounts carried forward</i>	<i>\$70 00</i>
	<hr/>
	\$8,500 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 91

<i>Amounts brought forward</i> . . .	\$70 00	\$8,500 00
Ann M. Sweetser, fee for entering Elm-street sewer	60 00	
David L. McGregor, fee for entering Otis-street sewer	50 00	
Trustees of Massachusetts General Hospital, fifth annual payment for permission to enter Fitchburg-street sewer	50 00	
Health-department account, labor .	7 63	
Sidewalks account, catch-basin curbs,	23 61	
Miscellaneous account, labor . . .	10 69	
Maurice Buttimer, puddling . . .	1 50	
	<hr/>	273 43
Sewer assessments, assessments levied		7,521 34
		<hr/>
		\$16,294 77

DEBIT.

Cash, paid laborers	\$3,064 66	
George D. Goodrich & Co., drain-pipe,	804 23	
Portland Stoneware Co., “	284 88	
Howe & Flint, “	463 01	
D. W. Lewis, “	4 56	
W. O. Barbour & Co., castings .	50 00	
Osgood & Hart, “ .	87 35	
A. Parker, catch-basin stones . . .	253 00	
Sanborn & Hatch, bricks . . .	105 00	
Thomas Casey, “ . . .	73 50	
Seward Dodge, blacksmithing . . .	7 88	
Cook, Rymes, & Co., blacksmithing,	1 25	
E. Fitzgerald, sand	2 00	
John Fisher, buckets	7 50	
D. Roby & Co., cement	44 80	
H. Wellington & Co., cement . . .	55 35	
Worthley, Downes, & Co., rubber boots	11 00	
B. F. Johnson, brush	6 00	
A. S. Jackson, repairing hose, etc. .	52 07	
Charles Bartley, oil, etc.	1 45	
	<hr/>	
<i>Amounts carried forward</i>	\$5,379 49	\$16,294 77

<i>Amounts brought forward</i>	.	.	\$5,379 49	\$16,294 77
S. W. Raymond, rope, etc.	.	.	8 08	
A. L. Sanborn, carriage-hire	.	.	4 50	
J. O. Hayden & Co., advertising	.	.	104 40	
Aaron R. Gay & Co., stationery	.	.	19 25	
City of Boston, water	.	.	25 00	
City of Cambridge, five-ninths of expense of cleaning outlet of Bridge-street sewer	.	.	1,335 16	
Maurice Buttimer, constructing sewer in Berkeley and Cambria Streets	.	.	1,854 58	
Maurice Buttimer, constructing sewer in Greenville and Boston Streets	.	.	370 00	
Maurice Buttimer, constructing sewer in Beach Street	.	.	42 58	
Maurice Buttimer, repairing sewer	.	.	3 00	
Richard Falvey, balance for construct- ing sewer in Poplar and Linwood Streets	.	.	192 16	
Richard Falvey, constructing sewer in Everett Avenue	.	.	255 58	
Richard Falvey, balance for construct- ing sewer in Shawmut and Alston Streets	.	.	99 33	
Charles A. Mongan, balance for con- structing sewer in Clyde Street	.	.	336 12	
Charles A. Mongan, constructing sewer in Concord Avenue and Dimick Street	.	.	567 04	
Charles A. Mongan, balance for con- structing sewer in Pinckney Street,	.	.	31 12	
Charles A. Mongan, balance for con- structing sewer in Durham Street,	.	.	16 19	
Charles A. Mongan, constructing catch-basins	.	.	33 50	
Charles A. Mongan, constructing sewer in Hawkins Court and Church Street	.	.	650 00	
<i>Amounts carried forward</i>	.	.	\$11,327 08	\$16,294 77

<i>Amounts brought forward</i>	.	\$11,327 08	\$16,294 77
Charles A. Mongan, constructing sewer in Tennyson Street	.	430 00	
Puttrill & Killion, constructing sewer in Willow Avenue, Highland Avenue, and Cherry Street.	.	2,400 00	
Puttrill & Killion, balance for constructing sewer in Partridge Avenue	.	32 86	
Patrick Terry, balance for constructing sewer in Cutter Avenue and Graves Street	.	45 50	
Patrick Terry, balance for constructing sewer in Morrison and Cedar Streets	.	576 01	
Maurice Terry, balance for constructing sewer in Medford Street	.	152 04	
John J. Dorey, balance for constructing sewer in Murdock Street	.	71 10	
Sewer assessments, account abated	.	88 00	
		<hr/>	
		\$15,122 59	
Excess and deficiency, balance to credit of account	.	1,172 18	
		<hr/>	
			\$16,294 77
			<hr/>

SEWER ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, assessments	.	\$11,958 28
Balance to debit in account, 1886	.	5,672 41
		<hr/>
		\$17,630 69

DEBIT.

Balance from 1884	.	\$10,109 35
Sewers, assessments levied	.	7,521 34
		<hr/>
		\$17,630 69
		<hr/>

SUPPORT OF POOR.

CREDIT.

Appropriations, amount assessed	\$14,000 00
Interest, transferred	1,000 00
Cash, received for support of paupers: —	
Of city of Boston	394 48
“ Chelsea	21 90
“ Lowell	18 35
“ Malden	63 70
“ Newburyport	23 35
“ Salem	18 45
Of town of Arlington	58 75
“ Brookline	34 80
“ Carlisle	49 95
“ Hingham	4 45
“ Manchester	27 95
“ Medford	52 85
“ Natick	4 35
“ Sandwich	10 20
“ Warren	10 85
“ Winchester	34 85
State of Massachusetts, support of	
State paupers	259 90
State of Massachusetts, burials	60 00
Henry Coffin, support of pauper	97 14
Samuel W. Dow, “ “ “	127 06
Dorcas Eldridge, “ “ “	6 90
William Kreugle, “ “ “	43 64
George F. Richardson, support of	
pauper	13 00
George W. Washburn, empty barrels,	7 62
Sundry persons, money not called for,	31 80
Highways account, services of T.	
Garvin	22 50
	<hr/>
	1,498 79
<i>Amount carried forward</i>	<hr/> \$16,498 79

Amount brought forward \$16,498 79

DEBIT.

Cash, amounts paid for support of paupers ; viz. : —

Asylum for Chronic Insane . . .	\$187 58
Commonwealth of Massachusetts . .	528 03
Danvers Lunatic Hospital . . .	1,466 43
Massachusetts General Hospital . .	119 00
Massachusetts School for the Feeble- minded	8 36
State Hospital for the Insane . . .	467 30
Taunton Lunatic Hospital . . .	179 61
Worcester Lunatic Hospital . . .	892 06
Charles J. Adams, House of Correc- tion	25 14
City of Boston	695 26
“ Cambridge	820 96
“ Chelsea	23 75
“ Lowell	783 33
“ Lawrence	96 00
“ Newburyport	130 00
“ Taunton	13 22
“ Fall River	12 45
Town of Andover	72 00
“ Barnstable	47 00
“ Holliston	88 00
“ Lexington	121 00
“ Leicester	63 00
“ Medford	48 00
“ Melrose	65 13
“ Peabody	140 81
Mary Ash, rent	96 00
James Burke, rent	12 00
Mary A. Blackwell, rent	48 00
James Bickford, “	60 00
M. Costello, “	36 00
T. F. Crimmings, “	48 00
Ellen Driscoll, “	12 00
Edward Foster, “	32 00

Amounts carried forward . . . \$7,437 42 \$16,498 79

<i>Amounts brought forward</i>	.	.	\$7,437 42	\$16,498 79
Michael Green, rent	.	.	30 00	
Ann Gallagher, "	.	.	25 00	
Hannah Gallagher, rent	.	.	72 00	
Sarah Gill, "	.	.	102 00	
Ann Grady, "	.	.	66 00	
Joseph J. Giles, "	.	.	32 00	
Sarah J. Hill, "	.	.	9 71	
John Hayes, "	.	.	6 00	
W. M. Hadley, "	.	.	5 50	
O. S. Knapp, "	.	.	35 00	
John I. Loudon, "	.	.	60 00	
Ann Lyman, "	.	.	48 00	
Hebron Libby, "	.	.	20 00	
S. H. Libby, "	.	.	48 00	
James McLaughlin, "	.	.	69 00	
Jeremiah McCarty, "	.	.	60 00	
Patrick McCrossen, "	.	.	24 00	
M. J. McCarron, "	.	.	48 00	
M. McNamara, "	.	.	24 00	
John Maloy, "	.	.	28 00	
Ann Nolan, "	.	.	8 00	
Charles O'Neil, "	.	.	72 00	
George K. Osgood, "	.	.	79 00	
M. B. Pitman, "	.	.	36 00	
Augustus Russ, "	.	.	24 00	
Zylpha Shaw, "	.	.	11 00	
Thomas Skehan, "	.	.	4 00	
Eugenia Sampson, "	.	.	30 00	
Olive J. Thomas, "	.	.	63 00	
Frank A. Titus, "	.	.	36 00	
Mrs. Jesse Abbott, board of paupers,			154 00	
Mary A. Blackwell, " " "	.	.	288 64	
Louisa Beers, " " "	.	.	96 00	
Ellen C. Blake, " " "	.	.	8 00	
S. D. Carter, " " "	.	.	7 00	
Frank Eagan, " " "	.	.	32 43	
Thomas Garvin, " " "	.	.	110 87	
<i>Amounts carried forward</i>	.	.	\$9,309 57	\$16,498 79

<i>Amounts brought forward</i>	\$9,309 57	\$16,498 79
Charles Hutchinson, board of paupers,	52 00	
William Holbrook, " " "	60 00	
Isabella Higgins, " " "	13 87	
Bridget Jenkins, " " "	183 03	
John Kelley, " " "	171 46	
E. G. Morang, " " "	10 00	
H. M. Mayo, " " "	212 18	
Samuel McKingley, " " "	3 00	
Ellen M. O'Donnell, " " "	104 29	
E. J. Pool, " " "	60 28	
Emily E. Rice, " " "	60 00	
Eugene Shea, " " "	128 19	
Martin Toye, " " "	120 11	
Mary Woods, " " "	72 00	
Almira Wilson, " " "	144 00	
Ellen Neagle, " " "	201 96	
Maurice Terry, rent	60 00	
Mary E. Nowlin, board and rent	90 70	
J. Bentley, groceries and provisions	99 00	
Belknap & Boynton, groceries and provisions	96 21	
Charles S. Butters, groceries and provisions	152 00	
E. S. Conant & Co., groceries and provisions	113 38	
A. F. Carpenter, groceries and provisions	81 50	
Edward Coliten, groceries and provisions	98 22	
Cushing & Currier, groceries and provisions	132 02	
Chase & Spaulding, groceries and provisions	2 00	
George H. Hills & Co., groceries and provisions	103 50	
D. C. Hennessey, groceries and provisions	12 00	
<i>Amounts carried forward</i>	\$11,946 47	\$16,498 79

<i>Amounts brought forward</i>	\$11,946 47	\$16,498 79
H. W. Jones, groceries and provisions .	15 75	
Knowles Brothers, groceries and provisions	37 00	
M. L. King, groceries and provisions	4 00	
W. G. Morton & Co., groceries and provisions	60 17	
R. C. McNabb, groceries and provisions	2 21	
A. Munroe, groceries and provisions .	2 00	
Charles H. North & Co., groceries and provisions	134 50	
P. T. O'Brien, groceries and provisions	46 99	
N. H. Reed, groceries and provisions, Sturtevant Brothers, groceries and provisions	231 43	
Charles A. Small, groceries and provisions	80 75	
Simon White, groceries and provisions	46 00	
Ar Showe & Co., groceries and provisions	46 25	
C. L. Stevens, groceries and provisions	32 00	
J. H. Skinner, groceries and provisions	2 58	
Trainor Brothers, groceries and provisions	18 50	
William S. Ward, groceries and provisions	113 35	
P. Curtis, fish	40 00	
Albert Fiske, crackers	91 57	
George F. Wellington, crackers .	18 00	
Hervey Skillings & Co., meal .	2 90	
Timothy Coakley, milk	17 36	
John Monahan, "	5 53	
<i>Amounts carried forward</i>	\$13,006 06	\$16,498 79

<i>Amounts brought forward</i>	.	\$13,006 06	\$16,498 79
Horatio Wellington & Co., fuel	.	874 19	
Simeon P. Taylor, " "	.	45 00	
John F. Ayer, " "	.	40 38	
Charles O'Neil, soap	.	47 25	
J. W. Brine, clothing	.	22 75	
George W. Simmons & Co., clothing,		5 00	
J. H. Brooks, dry goods	.	19 25	
H. W. Raymond, rubber sheets	.	3 25	
Philip Eberle, boots and shoes	.	130 30	
John C. Gillis, " " "	.	34 50	
William J. Emerson, boots and shoes,		2 50	
S. J. Wood, filing saws	.	1 25	
Howe & Flint, dippers	.	6 00	
M. R. Warren, stationery	.	1 05	
Aaron R. Gay & Co., stationery	.	53 70	
J. O. Hayden & Co., printing	.	37 75	
George H. Cowden, medicine	.	1 90	
Eliza Rogers, aid	.	25 00	
Honora Dunn, nursing	.	15 00	
Hannah O'Leary, nursing	.	18 86	
Robert Chue, " "	.	5 00	
Leech & Green, truss	.	5 00	
H. M. Weld, carriage-hire	.	6 00	
L. H. Brown, " "	.	30 00	
Joseph Fallon, moving paupers	.	4 00	
E. A. Carter, " "	.	3 85	
Charles Underhill, moving paupers	.	5 00	
John McCauley, " "	.	2 00	
James Harris, " "	.	10 00	
A. M. Prescott, " "	.	4 00	
George E. Webster, " "	.	1 00	
Bancroft's Express, expressing	.	80	
Steele & Webster, teaming	.	7 69	
Thomas Cunningham, teaming, fuel, etc.	.	118 65	
Thomas Cunningham, overseer of the poor	.	200 00	
<i>Amounts carried forward</i>	.	\$14,793 93	\$16,498 79

<i>Amounts brought forward</i>	\$14,793 93	\$16,498 79
Thomas Cunningham, secretary	66 67	
George W. Washburn, overseer of poor	100 00	
George W. Washburn, storekeeper	200 00	
Edward Glines, overseer of the poor,	50 00	
J. J. Underhill, " " " "	50 00	
George T. Lincoln, secretary	156 90	
Charles C. Folsom, agent	575 00	
Charles C. Folsom, travelling ex- penses, etc.	60 53	
D. F. Bennett, premium of insurance,	10 00	
Herbert E. Hill, aid to paupers	2 00	
Julia Casey, funeral expenses	15 00	
Isabella Osborn, funeral expenses	20 00	
Patrick Rafferty, " "	12 00	
W. A. Flaherty, " "	173 00	
Joseph Kelley, " "	20 00	
J. W. Lavry, " "	20 00	
E. H. Marsh, " "	56 00	
H. B. Runey, " "	31 00	
W. L. Lockhart, " "	20 00	
	<hr/>	
	\$16,432 03	
Excess and deficiency, balance to credit of account	66 76	
	<hr/>	
		\$16,498 79

SCHOOL CONTINGENT.

CREDIT.

Appropriations, amount assessed	\$12,000 00
Interest, transferred	3,300 00
Cash, received for tuition of non-resident pupils : —	
William W. Cochran	\$16 00
Joshua Coit	30 00
Francis Hollis	91 00
William S. McKenzie	30 00
John K. Upton	30 00
	<hr/>
<i>Amounts carried forward</i>	\$197 00
	<hr/>
	\$15,300 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 101

<i>Amounts brought forward</i>	.	.	\$197 00	\$15,300 00
T. C. Woodward	.	.	8 00	
Charles E. Swett	.	.	30 00	
Horatio Williams	.	.	40 00	
J. H. Davis, books sold and injured,			10 09	
Sundry persons, money not called for,			8 66	
			<hr/>	293 75
				<hr/>
				\$15,593 75

DEBIT.

Cash, paid Joshua H. Davis, salary as				
superintendent of schools	.	.	\$2,000 00	
travelling expenses	.	.	15 17	
stamps	.	.	6 00	
Janitors	.	.	4,000 17	
E. L. Robinson, truant-officer	.	.	300 00	
“ “ car-fares, etc.	.	.	5 25	
William H. Brine, truant-officer	.	.	75 00	
Jairus Mann,	.	.	41 64	
George L. Baxter, ribbon, etc.	.	.	5 34	
John S. Hayes,	.	.	10 28	
G. A. Southworth,	.	.	7 41	
N. L. Dearborn, diplomas	.	.	77 50	
C. A. French, inscribing diplomas	.	.	33 45	
Harper Brothers, books	.	.	766 16	
Thompson, Brown, & Co., books	.	.	116 98	
Knight, Adams, & Co.,	.	.	1,618 41	
Iverson, Blakeman, Taylor, & Co.,				
books	.	.	808 13	
Cowperthwait & Co., books	.	.	205 86	
William Ware & Co.,	.	.	51 54	
Lee & Shepard,	.	.	5 67	
Willard & Small,	.	.	49 29	
Leach, Shewell, & Sanborn, books	.	.	522 02	
Ginn, Heath, & Co.,	.	.	323 66	
D. Appleton & Co.,	.	.	188 03	
Carl Schoenhof,	.	.	73 36	
J. M. C. Gilman & Co.,	.	.	4 00	
F. M. Ambrose,	.	.	92 05	
			<hr/>	
<i>Amounts carried forward</i>	.	.	\$11,402 37	\$15,593 75

<i>Amounts brought forward</i>	\$11,402 37	\$15,593 75
Charles H. Whiting, books	225 67	
Harrison, Hume, & Co., books	16 40	
Warren P. Adams,	7 67	
Sheldon & Co.,	26 84	
Van Antwerp, Bragg, & Co., charts, etc.	80 00	
J. L. Hammett, school-supplies	52 70	
Boston School-supply Company, school-supplies	81 00	
Eagle Pencil Company, pencils	584 50	
George Frost & Co., pencil-sharpen- ers	34 50	
Gardner Wright, pencil-sharpeners	54 00	
Prang Educational Company, draw- ing-materials	294 35	
Frost, Adams, & Co., drawing-mate- rials	77 25	
Page & Woodworth, map	1 60	
George S. Perry, slates, etc.	99 94	
A. G. Whitcomb, inkstands	4 50	
Harrison Rogers, globe	3 33	
Stanley Rule and Level Company, rulers	36 56	
Charles C. Gerry, erasers	30 00	
George F. King & Merrill, stationery,	184 70	
Joseph W. Ripley, binding	2 50	
George B. King, printing	32 25	
J. O. Hayden & Co., printing	279 50	
Murphy, Leavens, & Co., dusters	178 31	
Oscar F. Howe, brooms, etc.	16 25	
J. E. Parsons, pails.	3 90	
Charles Holmes & Son, ash-barrels	12 56	
J. P. Williams, drinking-cups	21 00	
P. Lyman & Sons, mats	91 46	
Joseph Gott, weather-strips	50	
A. J. Wilkinson, door-spring	75	
H. W. Raymond, hardware	8 72	
<i>Amounts carried forward</i>	\$13,945 58	\$15,593 75

<i>Amounts brought forward</i>	.	\$13,945 58	\$15,593 75
L. J. Page, hardware	.	75	
James L. Tyler, trunks	.	3 75	
Thomas Hollis, sponges, etc.	.	2 70	
C. L. Stevens, sapolio	.	1 20	
Rand & Byam, soap	.	18 41	
B. F. Sheridan, "	.	3 00	
D. H. Rinn, soap, etc.	.	12 15	
George H. Hills & Co., soap, etc.	.	2 55	
W. H. Denton, oil, etc.	.	5 05	
J. H. Stewart, use of chairs	.	6 00	
George W. Bartlett, repairing clocks,	.	5 00	
H. A. Hartley & Co., curtains	.	5 00	
Catharine T. Brown, "	.	5 00	
Thomas Young, flowers	.	5 20	
Fred L. Cutter, cleaning clocks	.	1 75	
H. M. Weld & Co., hack hire	.	6 00	
Woodbridge & Co., expressing	.	17 50	
Thorpe's Express, "	.	2 30	
London's Express, "	.	2 25	
Bancroft's Express, "	.	1 25	
Gilman's Express, "	.	30	
Barker & Tibbetts, "	.	20 25	
B. H. Weeks & Co., "	.	72 00	
A. M. Prescott, teaming	.	4 00	
Mrs. C. B. Skinner, travelling-ex-			
penses	.	5 50	
Robert Bickford, travelling-expenses,	.	6 43	
Edward A. Stocker, repairing piano	.	2 00	
J. A. McKenna, tuning	.	2 50	
B. M. Woodman, "	.	2 00	
E. S. Daniels, "	.	4 00	
First Methodist-Episcopal Church,			
use of church	.	50 00	
Patrick Rafferty, rent	.	56 00	
John Stackpole, "	.	12 00	
Philip Eberle, "	.	10 00	
James M. Coburn, "	.	203 05	
<i>Amounts carried forward</i>	.	\$14,502 42	\$15,593 75

<i>Amounts brought forward</i>	.	\$14,502 42	\$15,593 75
Robert T. Thompson, rent	.	154 00	
J. A. McLane, labor	.	5 60	
L. B. Angier, "	.	2 00	
A. M. Siblee, "	.	3 50	
Janitor of Clarendon Block, labor	.	1 50	
Kate L. O'Brine, "	.	5 00	
Catharine Deacon, "	.	3 00	
J. D. Hills, carpenter-work	.	3 00	
Charles W. Ingalls, carriage-hire	.	2 00	
Charlestown Gas Company, gas	.	11 80	
Cambridge Gas-light Company, gas	.	43 72	
City of Boston, water-rates	.	648 06	
City of Cambridge, "	.	24 00	
		<hr/>	
		\$15,409 60	
Excess and deficiency, balance to credit			
of account	.	184 15	
		<hr/>	\$15,593 75

SCHOOL-FUEL.

CREDIT.

Appropriation, amount assessed	\$5,000 00
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DEBIT.

Cash, paid Horatio Wellington & Co., fuel,	\$1,562 23
George M. Winslow & Co., "	3,386 19
Bishop Brothers, shavings	1 00
"Boston Daily Advertiser," adver-	
tising	8 75
J. O. Hayden & Co., advertising	7 20
	<hr/>
	\$4,965 37
Excess and deficiency, balance to credit	
of account	34 63
	<hr/>
	\$5,000 00

SCHOOLHOUSE INCIDENTALS.

CREDIT.

Appropriations, amount assessed	\$6,000 00
Water loan interest, transferred	1,000 00
Schoolhouse on Tufts Street, transferred	52 00
Cash, received of Lincoln Schoolhouse account, furniture	400 85

\$7,452 85

DEBIT.

Cash, paid A. G. Whitcomb, school furniture	\$1,193 94
P. Derby & Co., furniture	41 50
John D. Hills, carpenter-work	31 06
George W. Trefren, jun., "	150 81
R. A. Melvin & Co., "	128 32
Fred C. Fuller, "	180 73
Richard A. Stevens, "	169 18
Leonard Arnold, "	82 17
J. F. Walker, "	49 51
S. & C. H. Williams, "	61 00
J. C. Snow, "	54 26
I. F. Burnham, "	34 13
John Stevens, "	9 33
Elijah Walker, "	33 35
Oliver Teakles, "	19 38
John R. Thompson, "	4 00
Fred. Davis, mason-work	16 52
A. C. Winning, "	170 22
D. P. Bucknam, plastering	31 25
J. W. Remick, "	45 00
C. E. Arnold, "	242 02
Clarence G. Reed, "	44 35
Calvin I. Sawyer, whitewashing	18 32
J. B. Phillips, painting	40 00
W. S. Walker, painting and glazing,	99 77
A. Fisher, " "	76 63
J. Q. Twombly, " "	20 48

Amounts carried forward . . . \$3,047 23

 \$7,452 85

<i>Amounts brought forward</i>	\$3,047 23	\$7,452 85
Daniel McDermot, painting and glazing	18 05	
J. H. Hollis, painting and glazing	66 10	
J. F. Davlin, plumbing	139 82	
C. A. Legallee, “	269 07	
H. W. Covell & Co., “	71 54	
L. C. Seavey, roofing	91 74	
Charles Holmes & Son, hardware, etc.	119 60	
W. L. Snow & Co., hardware, etc.	84 05	
Whitney & Snow, “	2 30	
H. W. Raymond, “	89 16	
J. A. Durell, stove-work, etc.	231 14	
Howe & Flint, “	96 11	
J. A. Merrifield, “	92 60	
Magee Furnace Company, repairing furnaces	235 00	
Third Universalist Parish, stoves, etc.	55 00	
A. A. Sanborn, steam-fitting	173 42	
W. H. Pool, gas-fitting	71 84	
Clark & Smith, dowels	1 05	
B. J. Downes, ash-barrels	12 00	
Bishop & Brother, ladders	2 40	
G. M. D. Fernald, bells	8 00	
Oliver Nowell, hanging bells	3 75	
B. F. Smith, repairing pump	23 45	
L. C. Duncklee, repairing furniture	78 00	
New-England Venetian Blind Company, repairing blinds	7 00	
B. F. S. Patten, window-tighteners	41 60	
J. L. Hammett, blackboards	10 40	
Flynn Brothers, window-shades	3 75	
Cutter & Parker, doors and sashes	53 85	
Daniel Crocker, repairing clocks	15 25	
S. B. Manning, “	12 00	
Edward Earley, slating	22 58	
<i>Amounts carried forward</i>	\$5,248 85	\$7,452 85

<i>Amounts brought forward</i>	.	.	\$5,248 85	\$7,452 85
Seward Dodge, blacksmithing	.	.	2 85	
Evereth E. Onley, "	.	.	50	
J. F. Burton, glazing	.	.	1 75	
Walter Bates, concreting	.	.	36 00	
Simpson Brothers, asphalt floor	.	.	53 80	
E. D. Sawyer & Co., lumber	.	.	47 13	
Watson & Bisbee, "	.	.	11 20	
John F. Ayer, "	.	.	2 72	
C. K. Leach, glass	.	.	90	
Timothy Murphy, trees	.	.	57 00	
J. T. Butler, laying carpet	.	.	2 00	
Thomas Hollis, drugs	.	.	4 96	
Chase & Spaulding, flour	.	.	1 25	
S. J. Wood, fitting keys, etc.	.	.	28 55	
Sturtevant Brothers, salt and soda	.	.	2 25	
A. L. Sanborn, carriage-hire	.	.	22 00	
Barker & Tibbetts, expressing	.	.	2 50	
W. J. London, "	.	.	1 00	
Caldwell & Staples, "	.	.	4 00	
Thorpe's Express, "	.	.	5 13	
Gilman's Express, "	.	.	1 25	
E. R. Perham, "	.	.	2 25	
J. J. Underhill, teaming	.	.	7 00	
T. F. Crimmings, repairing drain	.	.	8 50	
Russell & Fitch, removing night-soil,	.	.	28 00	
R. W. Johnson, " "	.	.	8 00	
C. F. Benson, labor	.	.	11 05	
George W. Prichard, labor	.	.	7 00	
Walter J. Davis, "	.	.	8 00	
William H. Denton, "	.	.	3 00	
James Deacon, "	.	.	8 75	
William Burke, "	.	.	2 00	
Robert Frary, "	.	.	2 25	
O. F. Page, "	.	.	1 00	
N. L. Pennock, "	.	.	21 00	
James Regan, "	.	.	3 50	
T. G. Dean, "	.	.	75	
<i>Amounts carried forward</i>	.	.	\$5,659 64	\$7,452 85

<i>Amounts brought forward</i>	.	.	\$5,659 64	\$7,452 85
James M. Coburn, labor	.	.	6 30	
S. J. Wright, "	.	.	3 00	
Joseph Young, "	.	.	24 73	
Charles Robinson, jun., rent	.	.	100 00	
A. W. & W. H. Sawyer, "	.	.	112 50	
G. D. Wildes, "	.	.	343 75	
S. E. Brown, "	.	.	39 00	
J. Q. Henry, trustee, "	.	.	150 00	
E. W. Cobb, "	.	.	50 00	
Joseph J. Giles, "	.	.	30 00	
Philip Eberle, "	.	.	25 00	
Aaron R. Gay & Co., stationery	.		4 50	
Dexter F. Bennett, premium of insurance	.	.	24 00	
W. C. Crane, premium of insurance,			623 49	
I. B. Kendall, " " "			59 40	
Cambridge Gas-light Company, gas	.		16 20	
Elijah Walker, salary superintendent,			166 67	
Water services account, repairing service.	.	.	7 87	
Highways account, stone	.	.	6 63	
			<hr/>	
			\$7,452 68	

Excess and deficiency, balance to credit of account	.	.	17	
			<hr/>	
				\$7,452 85

SCHOOL-TEACHERS.

CREDIT.

Appropriations, amount assessed	.	.	.	\$76,000 00
Interest, transferred	.	.	.	200 00
Water loan interest, transferred	.	.	.	889 75
Cash, sundry persons, salary not called for	.	.		5 25
			<hr/>	
				\$77,095 00

DEBIT.

Cash, paid salaries	.	.	.	\$77,089 75
Excess and deficiency, balance to credit of account	.	.	.	5 25
			<hr/>	
				\$77,095 00

SCHOOLHOUSE ON SCHOOL STREET.

CREDIT.

Balance from 1884	\$1,288 88
Appropriations, amount assessed	1,316 87
	<hr/>
	\$2,605 75

DEBIT.

Cash, paid T. B. Blaikie & Son, balance	
due on contract, etc.	\$1,254 53
J. F. Ober, architect	275 00
Magee Furnace Company, heating-	
apparatus	608 47
Worthen & Caswell, soapstone-work,	10 00
A. J. Whitcomb, furniture	133 13
Daniel Crocker, clocks	24 00
J. E. Bell, blackboards	34 65
George Dunbar, ash-barrels	15 60
A. M. Darling, hardware	177 06
H. W. Raymond, "	3 36
L. Arnold, carpenter-work	23 00
E. E. Seavey, labor	40 00
W. S. Walker, painting, etc.	3 95
A. M. Prescott, teaming	3 00
	<hr/>
	\$2,605 75

SCHOOLHOUSE ON TUFTS STREET.

CREDIT.

Balance from 1884	\$2,773 11
Appropriations, amount assessed	1,423 21
	<hr/>
	\$4,196 32

DEBIT.

Cash, paid William B. Stinson, balance	
due on contract, etc.	\$2,600 00
S. D. Kelley, architect	323 00
Walker & Pratt, heating-apparatus,	841 30
A. G. Whitcomb, school furniture	149 06
	<hr/>
<i>Amounts carried forward</i>	\$3,913 36
	<hr/>
	\$4,196 32

<i>Amounts brought forward</i>	.	.	\$3,913 36	\$4,196 32
J. E. Bell, blackboards	.	.	24 39	
Daniel Crocker, clocks	.	.	24 00	
G. M. D. Fernald, gong, etc.	.	.	22 00	
G. Dunbar & Co., ash-barrels	.	.	15 60	
S. J. Wood, keys, etc.	.	.	2 00	
H. W. Raymond, hardware	.	.	8 59	
E. E. Seavey, labor	.	.	40 00	
A. M. Prescott, teaming	.	.	3 00	
W. S. Walker, painting, etc.	.	.	6 24	
Oliver Teakles, carpenter-work	.	.	10 00	
Schoolhouse incidentals, transferred,			52 00	
City-hall alterations,		"	38 00	
J. S. Walker, carpenter-work	.	.	37 14	
			<hr/>	\$4,196 32

TAXES.

CREDIT.

Cash, received for taxes for 1881	.	.	\$6 00	
" " 1882	.	.	59 14	
" " 1883	.	.	39,632 95	
" " 1884	.	.	76,540 26	
" " 1885	.	.	312,050 20	
			<hr/>	\$428,288 55
Real-estate liens, titles to the city for non-payment of taxes of 1883	.	.	.	16 70
Overlay and abatement, abatement on taxes for 1881	.	.	\$2,995 60	
Abatement on taxes for 1883	.	.	410 47	
" " " 1884	.	.	574 34	
" " " 1885	.	.	3,468 30	
			<hr/>	7,448 71
Balance to debit in account, 1886, —				
Being uncollected taxes for 1882	.	.	\$3,248 76	
" " " " 1883	.	.	3,998 45	
" " " " 1884	.	.	46,169 44	
" " " " 1885	.	.	113,086 94	
			<hr/>	166,503 59
<i>Amount carried forward</i>	.	.	.	\$602,257 55

<i>Amount brought forward</i>	.	.	.	.	\$602,257 55
DEBIT.					
Balance from 1884	.	.	.	.	\$173,652 11
Appropriations, amount assessed for					
current expenses	.	.	.	.	388,340 08
State of Massachusetts, amount assessed					
for State tax	.	.	.	.	19,725 00
County of Middlesex, amount assessed					
for county tax	.	.	.	.	12,792 26
Overlay and abatement, amount added					
by the assessors	.	.	.	.	7,748 10
					<hr/>
					\$602,257 55

TEMPORARY LOANS.

CREDIT.					
Balance from 1884	.	.	.	.	\$175,000 00
Cash, borrowed by authority of the city					
council, on city notes, as follows, viz. : —					
March 30, Boston Five Cents Savings Bank, on eight months, at $3\frac{1}{2}$ per cent	.	.	.	.	\$150,000 00
May 29, Brewster, Cobb, & Estabrook, on five months, at 3 per cent	.	.	.	.	75,000 00
June 30, Blake Brothers & Co., on four months, at $2\frac{1}{2}$ per cent	.	.	.	.	65,000 00
Aug. 14, F. S. Moseley, on four months, at $2\frac{1}{2}$ per cent	.	.	.	.	60,000 00
Oct. 29, Blake Brothers & Co., on four months, at $2\frac{3}{4}$ per cent	.	.	.	.	100,000 00
Dec. 10, Commonwealth of Massachusetts, on four months, at 3 per cent	.	.	.	.	75,000 00
					<hr/>
					525,000 00
					<hr/>
					\$700,000 00

DEBIT.

Cash, paid the following named : —

Warren Institution for Savings, note dated Sept. 30, 1884.	.	.	.	.	\$50,000 00
					<hr/>

Amounts carried forward . . . \$50,000 00 \$700,000 000

<i>Amounts brought forward</i>	\$50,000 00	\$700,000 00
Commonwealth of Massachusetts, note dated Sept. 30, 1884	50,000 00	
Commonwealth of Massachusetts, note dated Nov. 29, 1884	75,000 00	
New-England Trust Company, notes dated May 29, 1885	75,000 00	
Blake Brothers & Co., notes dated June 30, 1885	65,000 00	
Boston Five Cents Savings Bank, note dated March 30, 1885	150,000 00	
New-England Trust Company, note dated Aug. 14, 1885	60,000 00	
	<hr/>	
	\$525,000 00	
Balance to credit in account, 1886	175,000 00	
	<hr/>	
		<u>\$700,000 00</u>

WATER SERVICES.

CREDIT.

Cash, received of J. W. Brooks, service	
materials and labor	\$19 15
Charles V. Buskin, lined pipe	6 73
William L. Clark & Co., labor	8 00
Milo Crane, service-pipe	6 00
Chase & Dutch, fittings and labor	7 03
J. F. Davlin, old pipe	1 12
D. L. Demmon, service-pipe	2 60
Levi F. S. Davis, “	7 44
James Dugan, “	3 50
Alvah L. Hollander, “	6 12
James A. Littlefield, “	20 50
Lincoln Schoolhouse account, service-	
pipe	6 79
Albert S. Pillsbury, service-pipe	5 36
Richard C. Pickthall, “	3 00
William H. Quinn, “	13 20
	<hr/>
<i>Amount carried forward</i>	\$116 54

<i>Amount brought forward</i> . . .	\$116 54
Levi Russell, hydrant, etc. . .	8 00
L. J. Sturtevant, gate-box, etc. . .	7 15
Schoolhouse incidentals account, re-	
pairs	7 87
Patrick Shannon, service-pipe . .	12 20
Samuel Taylor, " . .	29 00
John Wield, " . .	24 77
Edward L. Weeks, fittings . .	2 00
S. P. Wilcox, service-pipe . .	19 05
George White, " . .	8 72
William P. Walker, service-pipe . .	5 47
Josiah D. Johnson, " . .	11 16
John F. Nickerson, " . .	31 92
North-avenue Savings Bank, repairs, . .	2 15
Sundry persons, money not called for, . .	8 25
	<hr/>
	\$294 25

Water-service assessments, pipes laid,
cost of service 5,262 83

\$5,557 08

DEBIT.

Cash, paid laborers	\$2,026 16
Walworth Manufacturing Company,	
pipe and fittings	326 99
Chadwick Lead-Works, pipe . .	49 04
Sumner & Goodwin, pipe, etc. . .	385 07
George K. Paul & Co., pipe . .	537 62
Boston Lead Manufacturing Com-	
pany, pipe	79 09
Ward & Curley, fittings	482 36
Dalton & Ingersoll, fittings . .	278 41
Fred. Adeo & Co., "	3 90
James P. Fegan, hand-screws, etc. . .	159 58
Davis & Farnham Manufacturing	
Company, castings	296 89
Hardwick & Ware, hydrants . .	10 40
Boston Belting Company, washers . .	26 09
	<hr/>

Amounts carried forward \$4,661 60

\$5,557 08

<i>Amounts brought forward</i>	\$4,661 60	\$5,557 08
Wadsworth, Howland, & Co., service-boxes	10 30	
A. J. Wilkinson & Co., tools	15 68	
Dodge, Haley, & Co., tools	1 03	
Guthrie Wrench Manufacturing Company, wrenches	16 00	
Boston Nut Company, screws	5 10	
W. L. Snow & Co., lead	1 88	
A. C. White, old pipe	8 00	
Charles Holmes & Son, plumbing	10 63	
James F. Davlin, plumbing	34 40	
Howe & Flint, plumbing	1 00	
John Clary, lumber	31 30	
Union Glass Company, lanterns and globes	14 40	
S. J. Wood, filing saws	1 45	
Charles Bartley, supplies	1 21	
J. Halloran, charcoal	80	
J. McCarthy's Sons, charcoal	2 00	
Aaron R. Gay & Co., stationery	5 25	
Barker & Tibbetts, expressing	4 30	
John Battles, use of horse	11 25	
N. Dennett, paid for freight	55	
R. P. Benton, rebate on service bill	10 00	
	<hr/>	
	\$4,848 13	
Water maintenance, balance transferred	708 95	
	<hr/>	
		\$5,557 08

WATER-SERVICE ASSESSMENTS.

CREDIT.

Cash, received of sundry persons for water services	\$4,631 66	
Balance to debit in account, 1886	1,285 98	
	<hr/>	
		\$5,917 64

DEBIT.

Balance from 1884	\$654 81	
Water services, service-pipes laid in 1885,	5,262 83	
	<hr/>	
		\$5,917 64

WATER MAINTENANCE.

CREDIT.

Appropriations, amount assessed	\$20,000 00	
Interest, transferred	1,200 00	
Water services, transferred	708 95	
Cash, received of town of Arlington, clamps	\$10 98	
City of Boston, tee	3 06	
“ “ Chelsea, pipe, fittings, etc.	158 89	
Chadwick Lead Works, discount	1 50	
Fire-department accounts, cement, etc.	1 50	
F. P. Herrick, old iron	1 50	
Massachusetts General Hospital, labor and materials	1,226 01	
Middlesex Bleachery, pipe, etc.	195 18	
Town of Medford, tee	1 80	
R. J. Nourse, old pipe	3 24	
John P. Squire & Co., clamp	75	
Somerville Iron Foundry, old iron	8 87	
Union Glass Works, labor, etc.	2 50	
E. C. Wright, “	1 05	
Town of Winchester, cones, etc.	35 00	
Sundry persons, money not called for,	2 49	
		1,654 32
		<u>\$23,563 27</u>

DEBIT.

Cash, paid laborers	\$8,381 37	
Nathaniel Dennett, salary as superin- tendent	1,500 00	
James T. Cummings, salary as clerk of board	100 00	
Davis & Farnham Manufacturing Company, castings	630 67	
Somerville Iron Foundry, castings	155 23	
T. B. Austin & Co., iron	44 03	
<i>Amounts carried forward</i>	\$10,811 30	\$23,563 27

<i>Amounts brought forward</i>	\$10,811 30	\$23,563 27
Chapman Valve Manufacturing Com- pany, gates, etc.	266 01	
Coffin Valve Company, hydrants, etc.	194 50	
Walworth Manufacturing Company, pipe, etc.	126 12	
Boston Lead Manufacturing Com- pany, pipe, etc.	194 28	
George T. Cochnower & Co., tools,	31 50	
Pattee & Draper, flange, etc.	15 42	
Bingham & Taylor, valve-box	4 00	
A. J. Wilkinson & Co., tools, etc.	7 38	
Gloucester Iron Works, iron pipe	8,322 25	
Chadwick Lead Works, lead, etc.	28 87	
Dodge, Haley, & Co., drills, etc.	13 35	
Dodge, Gilbert, & Co., jack-screws.	7 20	
Cook, Rymes, & Co., picks, etc.	50 50	
Boston Nut Company, bolts	20 04	
Ware & Co., resonanter	2 00	
Thomas Watkins, pipe-joiner	14 50	
John Robbins, washers	6 55	
George K. Paul & Co., pipe	82 06	
George D. Goodrich & Co., drain- pipe	1 44	
D. Cutter, snaps	1 25	
F. Ivers & Son, gong-bell	3 50	
G. M. D. Fernald, repairing gong	2 50	
Hall Rubber Company, packing, etc.	4 35	
L. G. Burnham & Co., cement, etc.	44 60	
E. Fitzgerald, sand	8 80	
S. W. Fuller, lumber	47 69	
John Clary, " "	66 22	
E. D. Sawyer & Co., lumber	6 67	
Watson & Bisbee, " "	75	
Hosmer, Crampton, & Hammond, hay	54 27	
R. W. Willey & Co., hay and grain,	143 34	
Fulton O'Brion, " "	29 66	
<i>Amounts carried forward</i>	\$20,612 87	\$23,563 27

<i>Amounts brought forward</i>	.	\$20,612 87	\$23,563 27
S. C. Hayes & Co., hay and grain	.	63 53	
Charles B. Edgerly, grain	.	43 50	
Sewall & Day Cordage Company, rope, etc.	.	14 52	
Union Glass Company, burners, chimneys, etc.	.	5 40	
William H. Pool, burners	.	1 50	
D. J. Bennett, leathering shafts	.	2 50	
H. W. Raymond, hardware	.	98 85	
Charles Holmes & Son, "	.	36 07	
Howe & Flint, "	.	38 46	
Whitney & Snow, "	.	1 15	
W. L. Snow, "	.	2 35	
Seward Dodge, blacksmithing, etc.	.	156 03	
Charles Maguire, horseshoeing	.	39 70	
James P. Fegan, machine-work	.	36 53	
E. Spalding, harness-work	.	46 65	
J. Leland, wheelwright-work	.	6 80	
D. P. Bucknam, mason-work	.	15 00	
C. Sullivan, plumbing	.	6 60	
Union-square Carriage Company, painting	.	60 50	
E. I. Train & Co., powder, etc.	.	4 31	
R. Falvey, blasting	.	10 00	
Flynn Brothers, paper	.	6 15	
B. L. Howard, papering	.	5 00	
Joseph J. Giles, furniture	.	36 10	
Jackson, Caldwell, & Co., furniture,	.	38 00	
Samuel Walker & Co., oil, etc.	.	9 69	
J. H. Brooks, duck	.	4 09	
Nickerson & Baxter, stable-brooms, etc.	.	4 59	
E. S. Conant & Co., salt	.	5 10	
Elias Lathrop, hoof-ointment	.	2 00	
W. S. Barnes, horse	.	225 00	
Aaron R. Gay & Co., stationery	.	16 78	
J. O. Hayden & Co., printing, etc.	.	29 75	
<i>Amounts carried forward</i>	.	\$21,685 07	\$23,563 27

<i>Amounts brought forward</i>	\$21,685 07	\$23,563 27
J. O. Hayden & Co., paid for painting wagon	30 00	
E. J. Burt, stationery, etc.	55	
W. A. Greenough & Co., directories, New-England Telephone & Telegraph Company, rentals and service	4 00	
S. J. Wood, fitting keys, etc.	90 70	
B. F. Johnson, netting	6 75	
Horatio Wellington & Co., cement, fuel, etc.	80	
G. M. Winslow & Co., fuel	205 20	
C. P. Ladd & Co., " "	15 58	
S. M. Fuller, " "	6 50	
J. McCarthy's Sons, charcoal	3 35	
Charlestown Gas Company, coke	12 40	
Cambridge Gas-light Company, gas	50	
Theodore S. S. Baker, inspecting water-pipe	27 38	
George A. Kimball, travelling expenses	168 00	
Martin Gill, teaming pipe	11 00	
A. M. Prescott, teaming	207 59	
Caldwell & Staples, " "	2 00	
J. F. Manning, " "	5 90	
Barker & Tibbetts, expressing	155 68	
W. J. London, " "	12 10	
N. E. Fitz & Co., wharfage	50	
Nathan W. Bridge, freight	67 75	
E. H. Bright, paid for freight	433 14	
N. Dennett, gas-fixtures and freight	55	
American Rubber Company, mats	18 97	
City of Boston, water for puddling	3 37	
" " water-rates	9 41	
John Clark, labor	10 75	
W. C. Crane, premium of insurance	2 00	
George B. Ager, clerical services	20 00	
David Arthur, damages	30 00	
	10 00	
<i>Amounts carried forward</i>	\$23,257 49	\$23,563 27

<i>Amounts brought forward</i>	\$23,257 49	\$23,563 27
L. A. Tinkham, damages.	15 00	
S. D. Carter, “	50 00	
Milo Crane, paid by him for damages,	50 00	
Highways account, stone.	3 00	
Nelson & Thompson, hack hire	4 00	
	<hr/>	
	\$23,379 49	
Excess and deficiency, balance to credit		
of account	183 78	
	<hr/>	
		\$23,563 27
		<hr/>

WATERING STREETS.

CREDIT.

Appropriations, amount assessed	\$3,000 00
Cash, received of abutters	3,368 19
	<hr/>
	\$6,368 19

DEBIT.

Cash, paid Christopher Burke, watering	398 80
John F. Elkins.	372 40
Celia Falkner,	412 00
John Hickey,	408 00
John McCauley,	420 40
Jeremiah McCarty,	288 00
George F. McKenna,	457 60
A. M. Prescott,	442 60
John Welch,	446 80
H. W. Raymond, paint	12 77
Frederick Hilling, painting	42 50
Abbott, Downing, & Co., cart	450 00
Seward Dodge, blacksmithing	87 30
J. Leland, wheelwright-work	37 15
F. Dooris, blacksmithing	3 00
J. A. Durell, repairing	7 50
C. W. Ingalls, “	1 00
Aaron R. Gay & Co., stationery	13 75
J. O. Hayden & Co., advertising	6 30
	<hr/>
<i>Amounts carried forward</i>	\$4,307 87
	<hr/>
	\$6,368 19

<i>Amounts brought forward</i>	.	.	\$4,307 87	\$6,368 19
"Somerville Chronicle," printing	.		17 00	
Highways account, watering	.	.	2 46	
City of Boston, water	.	.	2,014 20	
			<hr/>	
			6,341 53	
Excess and deficiency, balance to credit				
of account	.	.	26 66	
			<hr/>	
				\$6,368 19

WATER-LOAN INTEREST.

CREDIT.

Cash, received of city of Boston, return on water-rates: —

1884, 40 per cent on \$5,471 77	.	\$2,149 91	
1885, 15 " " 20,000 00	.	3,000 00	
" 20 " " 10,000 00	.	2,000 00	
" 25 " " 10,000 00	.	2,500 00	
" 30 " " 10,000 00	.	3,000 00	
" 40 " " 22,230 30	.	8,892 37	
		<hr/>	
			\$21,542 28

DEBIT.

Cash, paid interest on water-loan bonds: —

\$20,000, six months at 6 per cent	.	\$600 00	
70,000, one year " $5\frac{1}{2}$ "	.	3,850 00	
232,000, " " " 5 "	.	11,600 00	
7,000, three months at 5 "	.	87 50	
13,000, one year " 4 "	.	520 00	
13,000, six months " 4 "	.	260 00	
		<hr/>	
		\$16,917 50	
Less coupons unpaid	.	12 50	
		<hr/>	
		\$16,905 00	
Sundry persons, coupons unpaid as			
above	.	12 50	
		<hr/>	
		\$16,917 50	
Street-lights, transferred	.	1,500 00	
Schoolhouse incidentals, transferred	.	1,000 00	
		<hr/>	
<i>Amounts carried forward</i>	.	\$19,417 50	\$21,542 28

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 121

<i>Amounts brought forward</i>	.	\$19,417 50	\$21,542 28
Miscellaneous, transferred	. . .	1,000 00	
School-teachers' salaries, transferred	. . .	889 75	
		<u> </u>	
		\$21,307 25	
Excess and deficiency, balance to credit of			
account	. . . . .	235 03	
		<u> </u>	\$21,542 28
			<u> </u>

TABLE D.

BALANCES, DEC. 31, 1885.

Cash	\$8,075 76	
Excess and deficiency		\$8,054 98
Funded debt		1,525,000 00
Highway betterment assessments	3,848 11	
Overlay and abatement		6,344 76
Overplus on tax-sales		102 13
Property and debt balance	290,073 36	
Public property	1,234,926 64	
Public-library building		311 55
Public Library		402 60
Real-estate liens	507 54	
State of Massachusetts, State aid	3,568 00	
State of Massachusetts, indigent soldiers and sailors	482 00	
Sidewalk assessments	1,459 07	
Sewer assessments	5,672 41	
Sundry persons		1,186 44
Temporary loans		175,000 00
Taxes	166,503 59	
Water-service assessments	1,285 98	
	<u>\$1,716,402 46</u>	<u>\$1,716,402 46</u>

REPORT
OF THE
COMMISSIONERS OF THE SINKING-FUNDS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 9, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 9, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN BOARD OF COMMISSIONERS OF THE SINKING-FUNDS,
Jan. 16, 1886.

To the Honorable the Mayor and the City Council of the City of Somerville.

GENTLEMEN, — The undersigned present herewith the tenth annual report of the condition of the sinking-funds of the city : —

The amount of the funds, Jan. 1. 1885, as per the
ninth annual report was \$505,852 52

The additions thereto during the year 1885 were : —

Contribution by the city for the year . . . 45,100 00

Interest on investments in city bonds (\$407,500
one year, \$47,000 nine months. \$59,000 six
months, and \$13,000 three months, at 5 per
cent per annum ; and \$40,000 one year, and
\$4,500, six months at $5\frac{1}{2}$ per cent per annum). 26,098 75

Interest on deposits in banks 106 91

A total of \$577,158 18

Paid to the treasurer of the city, providing for the
extinguishment of that part of the funded
debt of the city which matured on final matur-
ity, July 1, 1885 60,000 00

Leaving the amount of the sinking-funds, Jan. 1,
1886 \$517,158 18

Invested as follows : —

In bonds of the city of Somerville (\$473,000 at
5 per cent, and \$40,000 at $5\frac{1}{2}$ per cent), . \$513,000 00

On deposit in Maverick National Bank . . 4,158 18

\$517,158 18

The several sinking funds are : —

City-loan maturity of 1895	.	.	.	.	\$442,563 18
Sewer-loan maturity of 1896	.	.	.	.	12,100 00
Water-loan maturity of 1905	.	.	.	.	59,400 00
“ “ “ 1906	.	.	.	.	1,660 00
“ “ “ 1907	.	.	.	.	1,435 00
					<hr/>
					\$517,158 18
					<hr/>

Respectfully submitted.

NATHAN TUFTS,	}	<i>Commissioners.</i>
HENRY F. WOODS,		
E. D. CONANT,		

REPORT
OF
THE SCHOOL COMMITTEE.

CITY OF SOMERVILLE.

IN SCHOOL COMMITTEE, Jan. 2, 1886.

The superintendent submitted his annual report, which was read and accepted. It was voted that the committee adopt the report now submitted by the Superintendent of the Public Schools, and present it to their fellow-citizens as the report of the school committee for the year 1885.

J. H. DAVIS, *Secretary*.

IN BOARD OF ALDERMEN, Jan. 12, 1886.

Referred the report to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 12, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

BOARD OF SCHOOL COMMITTEE, 1885.

HON. MARK F. BURNS,

Mayor, Chairman, *ex officio*.

HERBERT C. HALL,

President of the Common Council, *ex officio*.

WARD ONE.

HENRY M. MOORE	Term expires 1885
HORACE C. WHITE, M.D.	“ “ 1886
JOHN H. BUTLER	“ “ 1887

WARD TWO.

REV. GEORGE W. DURELL	Term expires 1885
MRS. CORNELIA B. SKINNER	“ “ 1886
CHARLES I. SHEPARD	“ “ 1887

WARD THREE.

NORMAN W. BINGHAM	Term expires 1885
Q. E. DICKERMAN	“ “ 1886
WILLIAM P. HILL	“ “ 1887

WARD FOUR.

PROFESSOR BENJAMIN G. BROWN	Term expires 1885
H. P. MAKECHNIE, M.D.	“ “ 1886
MARTIN W. CARR	“ “ 1887

J. H. DAVIS,

Superintendent and Secretary.

STANDING COMMITTEES, 1885.

High School.

MESSRS. WHITE, BROWN, DURELL, BINGHAM, BUTLER, DICKERMAN.

East Somerville Schools.

MESSRS. MOORE, BUTLER, WHITE.

Prospect-hill Schools.

REV. MR. DURELL, MRS. SKINNER, MR. SHEPARD.

Winter-hill Schools.

MESSRS. DICKERMAN, HILL, BINGHAM.

Spring-hill Schools.

MESSRS. CARR, MAKECHNIE, HALL.

West Somerville Schools.

MESSRS. MAKECHNIE, CARR, BROWN.

Evening Schools.

MESSRS. DICKERMAN, MOORE, BROWN; MRS. SKINNER.

Examination of Teachers.

MESSRS. BROWN, BUTLER, MAKECHNIE.

Text-Books.

MESSRS. BINGHAM, DURELL, WHITE, CARR, BUTLER.

Repairs and Heating-Apparatus.

MESSRS. MOORE, SHEPARD, CARR, HALL.

School-Supplies.

MESSRS. CARR, HALL.

Fuel.

MESSRS. HALL, DURELL, MAKECHNIE.

Music.

MESSRS. DURELL, BINGHAM; MRS. SKINNER.

Finance.

MESSRS. MOORE, CARR.

Drawing and Penmanship.

MESSRS. DICKERMAN, BUTLER, SHEPARD.

Salaries.

MESSRS. BUTLER, MOORE, CARR, BROWN, DURELL.

Approval of Private Schools.

MESSRS. MAKECHNIE, BINGHAM, BUTLER, SHEPARD.

Examination of First Class.

MESSRS. DURELL, WHITE, MAKECHNIE, BINGHAM.

Examination of Second Class.

MESSRS. BROWN, MOORE.

Examination of Third Class.

MESSRS. DICKERMAN, CARR.

Examination of Fourth Class.

MESSRS. BUTLER, HILL.

Examination of Fifth Class.

MRS. SKINNER, MR. HALL.

Examination of Sixth Class.

MESSRS. MAKECHNIE, SHEPARD.

BOARD OF SCHOOL COMMITTEE, 1886.

HON. MARK F. BURNS.

Mayor, Chairman, *ex officio*.

WALTER C. MENTZER.

President of the Common Council, *ex officio*.

WARD ONE.

HORACE C. WHITE, M.D.	Term expires 1886
JOHN H. BUTLER	“ “ 1887
S. NEWTON CUTLER	“ “ 1888

WARD TWO.

Mrs. CORNELIA B. SKINNER	Term expires 1886
CHARLES I. SHEPARD	“ “ 1887
ALPHONSO H. CARVILL, M.D.	“ “ 1888

WARD THREE.

Q. E. DICKERMAN	Term expires 1886
WILLIAM P. HILL	“ “ 1887
NORMAN W. BINGHAM	“ “ 1888

WARD FOUR.

H. P. MAKECHNIE, M.D.	Term expires 1886
MARTIN W. CARR	“ “ 1887
PROFESSOR BENJAMIN G. BROWN	“ “ 1888

J. H. DAVIS,

Superintendent and Secretary.

STANDING COMMITTEES, 1886.

High School.

MESSRS. WHITE, BROWN, CARVILL, BINGHAM, BUTLER, DICKERMAN.

East Somerville Schools.

MESSRS. BUTLER, WHITE, CUTLER, MAYOR BURNS.

Prospect-hill Schools.

MESSRS. CARVILL, SHEPARD; MRS. SKINNER.

Winter-hill Schools.

MESSRS. HILL, BINGHAM, DICKERMAN.

Spring-hill Schools.

MESSRS. CARR, MAKECHNIE, MENTZER.

West Somerville Schools.

MESSRS. BROWN, MAKECHNIE, CARR.

Evening Schools.

MESSRS. DICKERMAN, WHITE, BROWN, CUTLER; MRS. SKINNER.

Examination of Teachers.

MESSRS. BROWN, BUTLER, CARVILL.

Text-books.

MESSRS. WHITE, SHEPARD, CARR, BUTLER, BINGHAM.

Repairs and Heating-Apparatus.

MESSRS. CARR, SHEPARD, CUTLER, MENTZER, HILL.

School-Supplies.

MESSRS. CARR, BINGHAM.

Fuel.

MESSRS. MENTZER, CARVILL, MAKECHNIE.

Music.

MESSRS. BINGHAM, WHITE; MRS. SKINNER.

Finance.

MESSRS. CARVILL, CARR.

Drawing and Penmanship.

MESSRS. DICKERMAN, BUTLER, SHEPARD.

Salaries.

MESSRS. HILL, CARVILL, BROWN, CARR, BUTLER.

Approval of Private Schools.

MESSRS. MAKECHNIE, BINGHAM, BUTLER; MRS. SKINNER.

Additional School Accommodations.

MAYOR BURNS, MESSRS. BUTLER, BINGHAM, CARVILLE, CARR.

Examination of the First Class.

MESSRS. CARVILL, WHITE, MAKECHNIE, DICKERMAN.

Examination of Second Class.

MESSRS. BROWN, CUTLER.

Examination of Third Class.

MESSRS. BINGHAM, CARR.

Examination of Fourth Class.

MESSRS. BUTLER, HILL.

Examination of Fifth Class.

MESSRS. MAKECHNIE, SHEPARD.

Examination of Sixth Class.

MRS. SKINNER, MR. MENTZER.

CITY OF SOMERVILLE.

To the School Committee of Somerville.

IN conformity to your requirements, I respectfully submit the following report upon the condition of the public schools of this city, for the year 1885, being the forty-third annual report of the school-department.

SUMMARY OF STATISTICS.

POPULATION.

Population of the city, United-States census, 1880 .	24,985
“ “ “ State Census, 1885 . . .	29,992
In Ward One	9,014
“ Two	10,077
“ Three	5,564
“ Four	5,337
Increase for five years	5,007
Number of persons in the city between five and fifteen years of age, on the first day of May last .	5,608
In Ward One	1,643
“ Two	1,901
“ Three	1,005
“ Four	1,059
Number in Prospect-hill District	1,985
“ East Somerville District	1,264
“ West Somerville “	860
“ Spring-hill “	760
“ Winter-hill “	739
Number between eight and fourteen years of age .	3,641

VALUATION.

Valuation of the city, May 1, 1885	\$24,878,400
Real estate	\$23,063,900
Personal estate	1,814,500
Rate of taxation . . . . .	.0166
Estimated value of school property	\$398,199

EXPENDITURES FROM JAN. 1, 1885, TO JAN. 1, 1886.

BY THE SCHOOL COMMITTEE.

Salaries of teachers and superintendent, \$79,087 75	
“ janitors	4,000 17
“ truant-officers	412 45
Water	672 07
Gas	39 64
Text-books	3,379 68
Writing-books	360 50
Drawing-books	541 89
Printing	311 75
Stationery, and other supplies	2,036 36
Miscellaneous	1,657 09
Total expenditures	\$92,499 35

RECEIPTS.

Tuition of non-resident pupils	293 75
Net expenditures	<u>\$92,205 60</u>

In common with other cities comparatively new, our wants are disproportionate to our accumulations. The consequence is a high rate of taxation, and the necessity for the exercise of rigid economy in all expenditures for city purposes.

It is apparent that all persons having in charge the financial interests of our city entertain an earnest and commendable desire to exercise true economy in all their expenditures, and to keep the expenses of the various departments at the lowest point consistent with the best interests of the city.

The construction of school-buildings, and the ordinary expenses

of the public schools, absorb nearly twenty-five per cent of all the money raised by taxation for city purposes.

The duty of constructing, repairing, furnishing, and heating the school-buildings devolves upon the city council. All other expenditures for school purposes are made by the school committee.

The disbursement of such large sums of money, and for an interest so vital as the education of the children and youth of the entire city, demands the constant exercise of economy and great vigilance in ascertaining that the value received, in all cases, is commensurate with the sums expended. In view of the great cost of the schools, it is wise to consider whether or not the amount expended for their support can be diminished materially, without detriment to their efficiency.

Those who bear the burden of taxation have a right to expect that the large appropriations for the maintenance of the public schools will be economically and judiciously expended. From a knowledge of their liberality, however, in all matters pertaining to the interests of education, it is safe to assume that their general sentiment is adverse to a reduction of the cost of the schools, if, thereby, their efficiency will be impaired.

Mr. Philbrick, for many years superintendent of Boston schools, says, "Good educational advantages are nowhere cheap; and it is wise to assume that good schools must, in the nature of things, be costly schools. In the more advanced communities, school boards very generally assume that it is their first duty to provide schooling of a very high degree of excellence, rather than to run the system at the cheapest rate per scholar."

After the most careful consideration of this subject in all its relations, we are unable to discover wherein the cost of the schools can be reduced materially, without serious detriment to their efficiency.

Substantial and commodious school-buildings must be constructed for the accommodation of all persons in the city of school age, at convenient distances from their homes. By statute requirements, the maintenance of evening schools for instruction in grammar-school studies and mechanical and free-hand drawing is made obligatory; text-books and all supplies necessary for pupils' use in school must be furnished at public cost. Since the true secret of improvement consists in performing, to the utmost limit of ability, whatever is undertaken, no careless work should be tolerated

in the schoolroom. Pupils should be required at all times to do their best, and should be encouraged in painstaking efforts by a liberal supply of good materials. Hence it would be unwise to reduce the supplies, as now furnished, either in quality or quantity.

Teachers' salaries constitute by far the largest item of expense in carrying on the work of the schools. The amount paid for tuition the present year is eighty-three per cent of all expenditures by the school board.

Good teachers are indispensable to good schools. To keep the schools supplied with such, is the most important and the most difficult part of the duties of the school committee. It has been truthfully said, "The external machinery of education — its schoolroom and forms and books — has of course its value; but, after all, it is nothing but machinery, utterly destitute in itself of automatic power. It is dead, and indeed useless, until the teacher's vital influence pervades it. He is the very soul of the whole apparatus of means, and indeed the only indispensable element in it. *Hence it is found that the quantity of force generated by a given system of educational means and agencies is as the teacher's knowledge, virtue, and intelligence — not as the external machinery.*"

Teachers of superior ability and fitness for their important calling are in demand. In order, therefore, to secure and retain the services of such, our inducements must equal those of other cities. A reduction of salaries would result in a low average of teachers and a corresponding grade of schools, which no city can afford to maintain. The children and youth of our community have a claim upon us for the best preparation we can give them for their life-work; and we are bound, by every moral obligation, to meet their claim by placing over them teachers of superior character, aptitude, and qualifications. From every consideration, therefore, we conclude that it is wise to be exacting in requirements, and to award such compensation as will attract and retain teachers of a high order of endowments; and that, in all matters pertaining to education, a liberal policy is true economy. It has been well said, "It is universally true, that any public institution will give back to a community a benefit commensurate with the support and the sympathy which it receives from that community."

SCHOOLHOUSES.

The new building on School Street and the one on Tufts Street were completed in December, 1884, and occupied by schools at the beginning of the winter term, Jan. 5. The building constructed on the site of the Lincoln Schoolhouse, which was burned Oct. 22, 1884, was completed in August last, and occupied by schools at the beginning of the school year, Sept. 14.

CUMMINGS SCHOOLHOUSE.

Cost of building, including heating-apparatus	\$12,270 00
“ land, 11,300 feet	2,373 00
“ furniture	714 00
	<hr/>
Total cost	\$15,357 00
	<hr/>

DAVIS SCHOOLHOUSE.

Cost of building, including heating-apparatus	\$12,606 00
“ land	5,000 00
“ furniture	726 00
	<hr/>
Total cost	\$18,332 00
	<hr/>

LINCOLN SCHOOLHOUSE.

Cost of building, including heating-apparatus	\$13,505 00
“ land, 17,662 feet	1,236 00
“ furniture	744 00
	<hr/>
	\$15,485 00
	<hr/>

TABLE SHOWING THE NAME, LOCATION, DATE OF ERECTION, ESTIMATED VALUE, AND CAPACITY OF THE SEVERAL SCHOOL-BUILDINGS.

NAME.	LOCATION.	When built.	No. of feet in lot.	Estimated value.	No. of rooms.
High . . .	Highland Avenue	1871	-	\$44,000	9
Forster . . .	Sycamore Street	1866	32,693	39,422	13
Prescott . . .	Pearl Street	1867	21,444	42,000	12
Edgerly . . .	Cross Street	1871	26,428	43,100	8
Davis . . .	Tufts Street	1884	29,584	18,333	4
L. V. Bell . . .	Vinal Avenue	1874	22,262	43,000	12
Cummings . . .	School Street	1884	11,300	15,357	4
Prospect Hill . . .	Washington Street	1848	25,313	20,600	6
Brastow . . .	Medford Street	1861	10,019	6,250	2
Bennett . . .	Joy Street	1868	20,560	8,300	4
Jackson . . .	Poplar Street	1861	11,212	8,300	4
Webster . . .	Webster Avenue	1868	11,050	8,300	4
Union . . .	Prospect Street (Before	1842	9,360	2,600	1
Morse . . .	Summer Street	1869	29,109	26,000	7
Beech Street . . .	Beech Street (Purchased	1872	6,000	4,750	2
Spring Hill . . .	Rear of Harvard Street	1850	4,991	1,700	1
Franklin . . .	Somerville Avenue	1846	33,017	14,300	4
Harvard . . .	Beacon Street	1851	9,810	2,600	1
Highland . . .	Highland Avenue	1880	23,260	33,000	8
Lincoln . . .	Broadway	1885	17,662	15,487	4
Cedar Street . . .	Cedar Street	1843	-	800	2
				\$398,199	112

PRESENT AND PROSPECTIVE WANTS.

Demands for additional school accommodations, consequent upon the rapid increase of population in our city, are ever recurring. School-buildings, containing eighty schoolrooms, have been constructed in this city within the last twenty years.

With one exception, all schoolrooms owned by the city are occupied by schools. Two schools are in basements of school-buildings, and two are occupying unsuitable rooms in Clarendon Block. The attendance of pupils of the ninth class of the Forster School is restricted to one session only, each day. This expedient must be resorted to in other sections of the city, when the customary semi-annual additions are made to the primary schools.

While the population of the city continues to increase as heretofore, the necessity will exist for the erection of one or two new schoolhouses each year. In addition to the two school-buildings called for by the school board at the beginning of this year, for the accommodation of pupils in Wards Three and Four, a building is much needed in the southern section of Ward Two.

Failure to provide promptly for the necessities of the present causes great inconvenience, and imposes upon the future burdens which should be borne, if possible, when urgent demands for them occur.

TEACHERS.

Ten teachers have resigned during the year, nineteen have been elected, and one teacher has died.

ELECTED.

Mr. Herbert L. Morse, sub-master in the L. V. Bell School.
Mr. Fred B. Hall, teacher in the High School.
Miss Minnie L. Wentworth, teacher in the Forster School.
Miss Amy C. Hudson, teacher in the Prescott School.
Miss L. Gertrude McIntire, teacher in the Prescott School.
Miss Elizabeth Waldron, teacher in the Prescott School.
Miss Priscilla A. Merritt, teacher in the Davis School.
Miss Hattie E. Adams, teacher in the L. V. Bell School.
Miss Maria H. Macurdy, teacher in the Prospect-hill School.
Miss Mary B. Smith, principal of the Bennett School.
Miss Lizzie W. Parkhurst, teacher in the Bennett School.
Miss Minnie S. Turner, teacher in the Bennett School.
Miss Alice I. Norcross, principal of the Webster School.
Miss Bertha L. Emerson, teacher of the Spring-hill School.
Miss Hattie L. Furber, teacher in the Franklin School.
Miss Florence N. Robbins, teacher in the Highland School.
Miss Annie S. Browne, teacher in the Highland School.
Miss Annie C. Thayer, teacher in the Lincoln School.
Miss Evelyn E. Getchell, teacher in the Lincoln School.

RESIGNED.

Miss Augusta A. Roberts, principal of the Bennett School, after twenty-four years of faithful, valuable, and unintermitted service in our public schools.

Miss Ellen H. Wilde, teacher in the Forster School.
Miss Clara G. Fogg, teacher in the Prescott School.
Miss Mary L. Lewis, teacher in the Prescott School.
Miss Elizabeth Waldron, teacher in the Prescott School.
Miss H. V. Hathaway, teacher in the Edgerly School.

Miss Frances J. Emerson, teacher in the L. V. Bell School.

Miss Sarah E. Pennock, principal of the Brastow School.

Miss Mary L. Longfellow, principal of the Webster School.

Miss Emma J. Rowley, teacher of the Spring-hill School.

Miss Alice B. Chadwick, a highly esteemed teacher in the Lincoln School, died at her home in Peabody, April 19, after a protracted illness.

The school committee, at their meeting next succeeding the time of her death, passed the following resolutions : —

Resolved, That in the death of Miss Chadwick, the city has lost a faithful and devoted teacher, who, by her wise administration, won the love of her pupils and the confidence of their parents.

Resolved, That the sincere sympathy of the school board of Somerville is extended to the family of the deceased in their great affliction.

Whole number of teachers	121
Male teachers, 10 ; female teachers, 111.	
Number of teachers in the high school	9
Male teachers, 3 ; female teachers, 6.	
Number of teachers in the grammar schools	63
Male teachers, 6 ; female teachers, 57.	
Number of teachers in the primary schools	48
One teacher of vocal music.	

Within the last twenty years, two hundred and thirty-seven teachers have been elected, one hundred and ten have resigned, and seven have died.

Of the one hundred and twenty-one teachers in our public schools, one was first elected previous to 1860 ; eight between 1860 and 1870 ; forty-six between 1870 and 1880 ; sixty-six since the beginning of 1880.

SCHOOLS AND TEACHERS.

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
High	George L. Baxter	\$2,400	1867
"	Frank M. Hawes	1,800	1879
"	Fred B. Hall	1,000	1885
"	Sarah W. Fox	1,200	1868
"	Sarah F. Litchfield	850	1880
"	Fannie W. Kaan	850	1882
"	Eudora Morey	800	1882
"	Minnie C. Clark	800	1882
"	Laura E. Giddings	800	1882
Forster	John S. Hayes	1,800	1878
"	Mary E. Northup	675	1878
"	Mary E. Stiles	600	1883
"	Agnes L. Adams	600	1884
"	Frances M. Guptill	600	1869
"	Minna L. Wentworth	600	1885
"	Lizzie F. Clement	575	1884
"	Alice A. Batchelor	575	1877
"	Addie S. Winnek	575	1883
"	Martha H. Pennock	550	1873
"	Leila V. Colby	550	1879
"	Annie S. Gage	550	1883
"	Lizzie G. Perry	550	1878
"	Nora F. Byard	350	1884
"	Mary A. Osborne	500	1885
Prescott	G. A. Southworth	1,900	1873
"	Anna M. Bates	700	1874
"	Adelaide Reed	650	1877
"	Amy C. Hudson	600	1885
"	L. Gertrude McIntire	600	1885
"	Emma M. Cate	600	1882
"	Abbie A. Anderson	600	1878
"	Amelia I. Sears	600	1873
"	Catharine T. Brown	575	1868
"	Clara Taylor	575	1871
"	Sarah E. Pratt	600	1877
"	Elgina M. Plummer	550	1877
"	Florence M. Morton	550	1882
Edgerly	Frank P. Hudson	800	1877
"	Harriette H. Winslow	600	1881
"	Hattie M. Pierce	575	1882
"	Fannie F. Fuller	575	1884
"	Anna L. Prescott	550	1873
"	Lillian Nealley	550	1882
"	Clara M. Bagley	550	1873
"	Ada Cowles	550	1875
Davis	Lucretia A. Burns	625	1882

SCHOOLS AND TEACHERS—*Continued.*

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
Davis . . .	Florence A. Robinson . . .	\$550	1883
" . . .	Gertrude A. Earle . . .	350	1884
" . . .	Priscilla A. Merritt . . .	425	1885
Luther V. Bell . . .	Robert Bickford . . .	1,800	1879
" " . . .	Herbert L. Morse . . .	1,200	1885
" " . . .	Abbie C. Hunt . . .	625	1873
" " . . .	Minnie H. Marden . . .	600	1876
" " . . .	Hattie E. Adams . . .	600	1885
" " . . .	Ellen M. Gooding . . .	600	1868
" " . . .	May E. Berry . . .	600	1880
" " . . .	Fannie A. Wilder . . .	600	1874
" " . . .	Emma F. Schuh . . .	600	1874
" " . . .	Nellie A. Hamblin . . .	600	1882
" " . . .	Anna M. Snow . . .	575	1866
" " . . .	Elvira Morrill . . .	575	1884
" " . . .	Eliza L. Schuh . . .	550	1882
Cummings . . .	Lydia J. Page . . .	625	1869
" . . .	Kate L. O'Brien . . .	425	1883
" . . .	Augusta M. Houghton . . .	550	1877
" . . .	Annie Coffin . . .	350	1884
Prospect Hill . . .	Helen Tincker . . .	650	1872
" " . . .	Maria H. Macurdy . . .	575	1885
" " . . .	Ellen Ledyard . . .	575	1874
" " . . .	Mary B. Currier . . .	550	1873
" " . . .	Lucy E. Clark . . .	350	1884
" " . . .	Charlotte I. Houghton . . .	550	1875
Brastow . . .	Maria Miller . . .	575	1870
" . . .	Helen M. Dodge . . .	350	1884
Bennett . . .	Mary B. Smith . . .	625	1885
" . . .	Lizzie W. Parkhurst . . .	550	1885
" . . .	Minnie S. Turner . . .	300	1885
" . . .	Isadore E. Taylor . . .	425	1883
Jackson . . .	Annie E. McCarty . . .	625	1880
" . . .	Maud M. Hobson . . .	550	1879
" . . .	Lena G. Allen . . .	350	1884
" . . .	Annie E. Crimmings . . .	350	1884
Webster . . .	Alice I. Norcross . . .	625	1885
" . . .	Clara J. Whittemore . . .	550	1883
" . . .	Annie L. Savage . . .	550	1873
Union . . .	Isabella M. Prince . . .	550	1876
Morse . . .	Henry C. Parker . . .	1,600	1884
" . . .	Mina J. Wendell . . .	675	1882
" . . .	Stella Hall . . .	600	1884
" . . .	Pauline S. Downes . . .	600	1872
" . . .	Anna E. Sawyer . . .	600	1873
" . . .	Ella F. Gould . . .	600	1882
" . . .	Mary A. Haley . . .	575	1868
" . . .	Laura J. Brooks . . .	575	1883

SCHOOLS AND TEACHERS — *Concluded.*

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
Beech Street . .	Mary E. Bosworth . .	\$575	1882
“ “ . .	Helen M. Meade . .	550	1884
Spring Hill . .	Bertha L. Emerson . .	550	1885
Franklin . .	Hattie A. Hills . .	650	1874
“ . .	Emeline C. Summerhayes .	575	1876
“ . .	Anna C. Damon . .	550	1879
“ . .	Caroline S. Plimpton . .	550	1859
“ . .	Hattie L. Furber . .	425	1885
Harvard . .	Annie E. Robinson . .	550	1876
Highland . .	George E. Nichols . .	1,700	1877
“ . .	Lilla A. Hayward . .	675	1881
“ . .	Alice E. Gage . .	600	1884
“ . .	Jennie Colburn . .	600	1875
“ . .	Florence N. Robbins . .	600	1885
“ . .	S. Adelaide Blood . .	575	1882
“ . .	Annie R. Cox . .	575	1883
“ . .	Alice P. Lord . .	550	1881
“ . .	Sarah E. Pray . .	550	1878
“ . .	Hallie M. Hood . .	500	1884
“ . .	Annie L. Browne . .	350	1885
Lincoln . .	Mary A. Paul . .	625	1879
“ . .	Carrie M. Smith . .	575	1882
“ . .	Susie A. Mattoon . .	425	1884
“ . .	Annie C. Thayer . .	300	1885
“ . .	Evelyn E. Getchell . .	575	1885
Cedar Street . .	Alice Simpson . .	550	1872
“ “ . .	Alice M. Porter . .	550	1880
Teacher of Music .	S. H. O. Hadley . .	1,333	1868

PUPILS.

Number of pupils in attendance in January . . .	5,043
Number of persons between five and fifteen years of age on the first day of May last . . .	5,608
Number between eight and fourteen years of age . .	3,641
Number in attendance in December . . .	5,186
In the high school . . .	378
In the grammar schools . . .	2,558
In the primary schools . . .	2,250
Number over fifteen years of age in December . . .	538
In the high school . . .	332
In the grammar schools . . .	206

Whole number registered during the year	6,276
In the high school	471
In the grammar schools	2,717
In the primary schools	3,088

The whole number of pupils registered in all the schools during the year is 1,090 in excess of the whole number in attendance in December. This excess includes 46 graduates of the high school; 47 pupils who have left the high school within the year, exclusive of the graduates; 56 graduates of the grammar schools who did not enter the high school; 941 pupils, exclusive of graduates, who have left the grammar and primary school from all causes. Of this last number, a large per cent left the schools in consequence of removal from the city.

TABLE SHOWING THE NUMBER OF PUPILS IN EACH OF THE THIRTEEN CLASSES IN DECEMBER, THE AVERAGE AGE OF PUPILS IN EACH CLASS, AND THE PER CENT THAT THE NUMBER IN EACH CLASS IS OF THE NUMBER IN ALL THE CLASSES.

GRADE.	Class.	Boys.	Girls.	Total.	Average Age.	Per cent.
High . . .	First . .	21	35	56	18 years 6 mos.	1.08
“ . . .	Second . .	23	43	66	17 “ 5 “	1.31
“ . . .	Third . .	34	56	90	16 “ 6 “	1.73
“ . . .	Fourth . .	65	101	166	15 “ 7 “	3.20
Grammar . .	First . .	115	123	238	14 “ 7 “	4.58
“ . . .	Second . .	141	142	283	14 “ 2 “	5.45
“ . . .	Third . .	183	189	372	12 “ 11 “	7.17
“ . . .	Fourth . .	267	209	476	12 “ 3 “	9.18
“ . . .	Fifth . .	333	255	588	11 “ 2 “	11.33
“ . . .	Sixth . .	350	251	601	10 “ 5 “	11.59
Primary . .	First . .	334	262	596	9 “ 2 “	11.49
“ . . .	Second . .	392	263	655	8 “ 2 “	12.63
“ . . .	Third . .	539	460	999	6 “ 6 “	19.26
Total . . .	. . . . .	2,797	2,389	5,186	. . . . .	100.00

ATTENDANCE.

It is our constant endeavor to render the schools profitable and attractive. A high order of instruction is furnished in all the grades; all books and supplies are provided free of cost; all moral influences, at our disposal, are employed to induce pupils to remain in the schools, and to avail themselves of all the advantages gratuitously and liberally afforded them for securing a substantial, elementary education; but our statistics disclose the discouraging fact that nearly seventy per cent of all pupils who enter the grammar schools, and fifty-eight per cent of all who enter the high school, fail, from necessity or choice, to complete the courses of study prescribed for those schools, and to secure diplomas of graduation.

Average whole number in all the schools for the year	. 4,904.1
high school	320.3
grammar schools	2,435.6
primary schools	2,148.2
Average attendance in all the schools for the year .	. 4,626.6
high school	309.6
grammar schools	2,323.7
primary schools	1,993.3
Per cent of attendance in all the schools for the year	. 94.4
high school	96.6
grammar schools	95.4
primary schools	92.9
Number of tardinesses in all the schools for the year	. 2,480
high school	357
grammar schools	932
primary schools	1,191
Number of dismissals in all the schools for the year	. 2,305
high school	504
grammar schools	1,062
primary schools	739

MONTHLY REPORTS OF THE TRUANT-OFFICERS.

1885.	Cases Investigated.	Cases of Truancy.	No. returned to School.	No. sent to House of Reformation.
January	14	6	1	—
February	16	6	2	—
March	13	6	6	—
May	61	35	35	—
June	71	51	51	1
September	23	21	21	—
October	51	37	37	—
November	39	25	25	—
December	58	38	37	1
Total	346	225	215	2

EDWARD L. ROBINSON, }
 JAIRUS MANN, } *Truant-Officers.*

SCHOOLS.

Three new schools have been established within the year: one grammar school in East Somerville district, one grammar school in Prospect-hill district, and one primary school in West Somerville district. The three new buildings contain four schools each.

The primary schools contain 43.39 per cent of the pupils in all the schools, the grammar schools 49.32 per cent, and the high school 7.29 per cent.

Whole number of schools	105
High school	1
Grammar schools	58
Primary schools	46
Increase for the year	3
Increase in ten years	28
Increase in twenty years	72

PRIMARY SCHOOLS.

Thirty-five schools of this grade contain one class each; ten, two classes each; one school contains three classes. Thirty-one of the forty-six primary-school teachers have had a term of service

that entitles them to the maximum of salary. The remaining fifteen have taught from one to three years.

Nine teachers in schools of this grade report no case of corporal punishment during the year; three report one case each; and five two cases each. A large proportion of all cases reported occurred in comparatively few schools.

Number of primary schools	46
Increase for the year	1
Number of pupils in attendance in January	2,258
Number admitted during the year	830
Number promoted to the grammar schools	528
Number in attendance in December	2,250
Boys, 1,265; girls, 985.	
Average number to a teacher	49
Number registered during the year	3,088

EXHIBIT OF THE PRIMARY SCHOOLS.

SCHOOLS.	TEACHERS.	Aver. Whole Number.	Average Attendance.	Per cent of Attendance.	Tardinesses.	Dismissals.
Forster . .	M. H. Pennock . .	46.4	44.4	95.6	5	9
“ . .	L. V. Colby . .	45.4	43.2	95.1	11	9
“ . .	A. S. Gage . .	49.0	46.6	95.1	9	4
“ . .	L. G. Perry . .	63.2	58.3	92.2	9	14
“ . .	N. F. Byard . .	37.9	35.5	93.8	6	10
Prescott . .	S. E. Pratt . .	46.2	44.2	95.5	5	12
“ . .	E. M. Plummer . .	49.0	45.5	92.8	6	16
“ . .	F. M. Morton . .	57.5	54.2	94.2	11	9
Edgerly . .	A. L. Prescott . .	42.4	40.6	95.8	11	7
“ . .	Lillian Nealley . .	49.6	47.4	95.6	12	12
“ . .	C. M. Bagley . .	45.4	42.5	93.4	10	8
“ . .	Ada Cowles . .	46.0	41.9	91.1	17	8
Davis . .	F. A. Robinson . .	38.2	35.6	93.2	12	6
“ . .	G. A. Earle . .	41.4	37.3	90.0	26	23
“ . .	P. A. Merritt . .	52.1	48.0	92.1	20	0
L. V. Bell . .	E. L. Schuh . .	51.0	46.7	91.6	3	1
Cummings . .	K. L. O'Brien . .	49.4	46.1	93.3	38	15
“ . .	A. M. Houghton . .	55.7	51.3	92.1	37	2
“ . .	Annie Coffin . .	48.0	45.5	94.2	15	13
Prospect Hill, . .	M. B. Currier . .	43.0	40.8	94.9	20	16
“ “ . .	L. E. Clark . .	43.8	42.0	95.9	28	17
“ “ . .	C. I. Houghton . .	44.1	40.1	90.9	35	18
Brastow . .	H. M. Dodge . .	43.6	40.3	92.3	17	11

EXHIBIT OF THE PRIMARY SCHOOLS — *Concluded.*

SCHOOLS.	TEACHERS.	Aver. Whole Number.	Average Attendance.	Per cent of Attendance.	Tardinesses.	Dismissals.
Bennett .	L. W. Parkhurst .	44.2	41.0	92.7	30	19
“ .	M. S. Turner .	50.9	46.6	91.5	51	19
“ .	I. E. Taylor .	51.9	45.4	87.4	43	2
Jackson .	M. M. Hobson .	42.9	39.7	92.5	37	21
“ .	L. G. Allen .	58.3	52.2	89.5	62	21
“ .	A. E. Crimmings .	64.9	62.3	95.7	41	0
Webster .	C. J. Whittemore .	33.0	28.6	92.9	110	76
“ .	A. L. Savage .	46.3	44.0	95.0	65	26
Union .	I. M. Prince .	49.6	47.5	95.8	13	2
Beech Street .	M. E. Bosworth .	44.7	42.5	95.1	8	8
“ “ .	H. M. Meade .	47.5	45.3	95.2	18	34
Spring Hill .	B. L. Emerson .	53.4	51.0	95.5	15	21
Franklin .	A. C. Damon .	41.4	37.8	91.3	26	40
“ .	C. S. Plimpton .	57.4	56.0	97.6	25	12
Harvard .	A. E. Robinson .	42.4	40.3	95.0	73	33
Highland .	A. P. Lord .	45.1	41.8	92.6	7	9
“ .	S. E. Pray .	45.6	42.0	92.1	14	11
“ .	H. M. Hood .	41.0	37.4	91.0	29	8
“ .	A. S. Browne .	27.4	24.8	90.5	10	9
Lincoln .	S. A. Mattoon .	50.3	44.5	88.5	21	16
“ .	A. C. Thayer .	42.0	37.5	89.3	10	2
Cedar Street .	Alice Simpson .	39.1	35.5	90.8	32	51
“ “ .	A. M. Porter .	40.6	31.6	77.8	88	62
Total. .	. . . . .	2,148.2	1,993.3	92.9	1,191	739

GRAMMAR SCHOOLS.

At the close of the school year in July last, two hundred and eleven pupils were graduated at the several grammar schools, being thirty in excess of the largest number graduated in any previous year:—

From the L. V. Bell School, 73 : boys, 37 ; girls, 36

“ “ Prescott “ 51 : “ 25 ; “ 26

“ “ Morse “ 30 : “ 10 ; “ 20

“ “ Highland “ 29 : “ 11 ; “ 18

“ “ Forster “ 28 : “ 11 ; “ 17

One hundred and fifty-five of the graduates from the grammar schools entered the high school in September:—

From the L. V. Bell School,	50 :	boys,	23 ;	girls,	27
“ “ Prescott	“ 36 :	“ 16 ;	“ 20		
“ “ Highland	“ 27 :	“ 10 ;	“ 17		
“ “ Morse	“ 22 :	“ 9 ;	“ 13		
“ “ Forster	“ 20 :	“ 6 ;	“ 14		

Number promoted to the first class in July .	.	.	.	.	238
“ “ “ “ second “ “ .	.	.	.	.	304
“ “ “ “ third “ “ ..	.	.	.	.	355
“ “ “ “ fourth “ “ “	.	.	.	.	474
“ “ “ “ fifth “ “ “	.	.	.	.	502
“ “ “ “ sixth “ “ “	.	.	.	.	528

Eighty-nine per cent of all pupils in the grammar schools were promoted at the end of the school year.

Number of grammar schools	58
Increase for the year	2
Number in attendance in January	2,483
Number received from the primary schools	528
Number in attendance in December	2,588
Average number to a school	44
Number over fifteen years of age	206
Number registered during the year	2,717

EXHIBIT OF THE GRAMMAR SCHOOLS.

SCHOOLS.	TEACHERS.	Aver. Whole Number .	Average Attendance.	Per cent of Attendance.	Tardinesses.	Dismissals.
Forster .	J. S. Hayes .	28.9	27.9	96.2	1	2
“ .	M. E. Stiles .	36.4	34.5	94.8	0	6
“ .	A. L. Adams .	46.6	44.1	94.7	2	10
“ .	F. M. Gupstill .	35.8	33.7	94.1	2	9
“ .	M. L. Wentworth	30.2	28.9	95.7	5	8
“ .	L. F. Clement .	42.5	40.1	94.3	4	10
“ .	A. S. Winnek .	38.5	36.5	94.8	6	26
“ .	A. A. Batchelor .	54.2	51.2	94.5	13	18
Prescott .	G. A. Southworth	59.3	58.3	98.4	0	0
“ .	Amy C. Hudson .	36.2	34.9	96.2	0	11
“ .	L. G. McIntire .	34.4	33.2	96.5	4	10
“ .	E. M. Cate .	41.7	40.2	96.3	2	4

EXHIBIT OF THE GRAMMAR SCHOOLS — *Concluded.*

SCHOOLS.	TEACHERS.	Aver. Whole Number.	Average Attendance.	Per cent of Attendance.	Tardinesses.	Dismissals.
Prescott .	A. A. Anderson .	45.4	43.7	96.2	3	4
" .	A. I. Sears .	46.7	44.5	95.4	3	10
" .	C. T. Brown .	45.5	43.3	95.1	6	10
" .	Clara Taylor .	46.7	45.2	96.7	5	11
Edgerly .	F. P. Hudson .	40.6	39.4	97.0	4	4
" .	H. H. Winslow .	38.6	37.5	96.9	5	5
" .	H. M. Pierce .	40.1	38.4	95.7	1	8
" .	F. F. Fuller .	40.2	38.4	95.5	8	3
Davis .	L. A. Burns .	39.4	37.9	96.3	9	14
L. V. Bell .	Robert Bickford .	54.1	51.6	95.3	29	21
" .	H. L. Morse .	35.5	33.7	95.0	29	53
" .	M. H. Marden .	40.6	39.5	97.2	5	9
" .	H. E. Adams .	40.4	38.4	95.0	27	26
" .	E. M. Gooding .	48.9	47.2	96.6	31	21
" .	M. E. Berry .	52.1	50.2	96.4	27	49
" .	F. A. Wilder .	43.2	42.0	97.2	17	15
" .	E. F. Schuh .	46.8	44.1	94.3	30	18
" .	N. A. Hamblin .	44.5	42.0	94.4	13	4
" .	A. M. Snow .	53.2	51.7	97.0	17	15
" .	Elvira Morrill .	52.2	49.9	95.4	27	18
Cummings .	L. J. Page .	46.4	44.4	95.2	4	2
Prospect Hill,	Helen Tincker .	40.7	38.5	94.8	13	12
" " .	M. H. Macurdy .	44.7	41.7	93.2	18	17
" " .	Ellen Ledyard .	38.8	37.2	95.8	18	11
Brastow .	Maria Miller .	48.7	46.6	95.5	48	25
Bennett .	M. B. Smith .	48.1	44.0	91.4	74	23
Jackson .	A. E. McCarty .	47.7	45.6	95.5	61	31
Webster .	A. I. Norcross .	32.4	30.5	94.2	129	79
Morse .	H. C. Parker .	28.4	27.5	96.8	9	8
" .	Stella Hall .	35.2	33.9	96.3	5	35
" .	P. S. Downes .	48.9	48.1	98.2	0	2
" .	A. E. Sawyer .	48.6	46.2	95.1	18	25
" .	E. F. Gould .	54.0	50.6	93.7	23	50
" .	M. A. Haley .	48.1	45.2	94.0	21	27
" .	L. J. Brooks .	31.1	30.1	96.9	13	10
Franklin .	H. A. Hills .	30.4	28.8	94.7	24	16
" .	E. C. Summerhayes .	49.2	46.2	93.9	26	22
Highland .	G. E. Nichols .	33.9	32.7	96.4	2	16
" .	A. E. Gage .	38.1	36.3	95.2	2	27
" .	Jennie Colburn .	47.4	44.6	94.0	3	18
" .	F. N. Robbins .	49.6	46.4	93.6	10	33
" .	S. A. Blood .	50.9	47.3	92.8	21	51
" .	A. R. Cox .	46.2	44.6	96.5	6	12
Lincoln .	M. A. Paul .	30.4	28.8	94.9	12	52
" .	C. M. Smith .	38.3	35.8	93.5	37	26
Total .	. . . . .	2,435.6	2,323.7	95.4	932	1,062

HIGH SCHOOL.

When this school first occupied the present high-school building, March 4, 1872, it contained 150 pupils and 6 teachers, — a teacher for every 25 pupils. At the present time it contains 378 pupils and 9 teachers, — a teacher for every 42 pupils. The whole number of pupils in attendance in September last was 385, being 70 in excess of the largest number belonging to the school at any previous period. The class that entered the school at the beginning of the fall term, numbered 165 pupils. The largest number entered at any former time, was 122.

In consequence of the large addition to the school at the beginning of the school-year, it was necessary to place a portion of the pupils in the high-school hall, and to employ an additional teacher.

From present indications, it will be necessary to construct schoolrooms in the high-school hall the coming year, and to employ another teacher.

Whole number of different pupils during the year . . .	471
Largest number at one time	385
Number admitted during the year	175
From our grammar schools	155
From other schools	20
Number graduated	46
“ of graduates who entered college	12
“ who entered Newton Theological Institution	1
“ who entered the School of Technology	4
“ who have left the school during the year, exclusive of graduates	47
Whole number at the present time	378
Average number to a teacher	42
Number over fifteen years of age	332
“ in course preparatory to college	98
“ pursuing the regular course	200
“ pursuing the English course	80
“ in the first class on entering the school	111
“ at the present time	56
“ in the second class on entering the school	96
“ at the present time	66
“ in the third class on entering the school	122

Number at the present time	90
“ in the fourth class on entering the school	170
“ at the present time	166

Forty-two per cent of all pupils who have entered the high school for the last twenty years have received diplomas of graduation.

Forty-nine per cent of the pupils who entered the school in September, 1881, graduated at the close of the school-year in June last.

Six of the graduates entered Harvard College and the Annex; two, Tufts College; two, Boston University; one, Smith College; one, Wellesley College; one, Newton Theological Institution; four, the Institute of Technology; two, the Salem Normal School.

THIRTY-THIRD ANNUAL EXHIBITION OF THE SOMERVILLE HIGH SCHOOL, TUESDAY, JUNE 30, 1885, AT 9 O'CLOCK A.M.

ORDER OF EXERCISES.

SINGING.¹—CHORAL: “Lord, how great thy love!” *Flotow.*
 CHORUS: Peasant's Wedding March (unaccompanied).
Soderman.

1. SALUTATORY IN LATIN. J. DWIGHT PRINDLE, JUN.
2. ESSAY. *Maximilian.* A. BERTHA HARDY.
3. READING. An Unexpected Acquaintance. *Twain.*
 ANNIE W. SLEEPER.

4. BRUTUS ON THE DEATH OF CÆSAR (in Burmese, with introduction in English). HEMMAY KLAIPO.

SINGING.—SOLO AND CHORUS: *Inflammatu*s, “Stabat Mater.” *Rossini.*

5. READING. The First Settler's Story. *Carleton.*
 ELLA GERTRUDE MATHISON.

6. FROM “SCHWARTZ AUF WEISS.”
 ABBIE E. FOLSOM, R. GERTRUDE PARKHURST.
 MAY E. POWERS,

7. READING. How Girls study. *Belle Macdonald.*
 M. LOUISE SPEAR.

SINGING.—DUET: The Pilot (male voices). *Millard.*

UNISON SOLO: The New Kingdom (female voices). *Tours.*
 (With orchestra and organ; instrumentation by S. Henry Hadley.)

¹ Singing accompanied by Hadley's Orchestra.

8. FROM "TROILUS AND CRESSIDA." (Original version in Greek.)
 WALTER P. HUTCHINSON, KATHARINE R. MILES,
 S. ALBERTIE TUTTLE, LEILA L. RAND.
 LEONORA VINAL,

9. READING. A Georgian at the Opera. *Harper's.*
 EDWARD B. RUSSELL.

RECESS.

- MUSIC. — IDYL: The Blacksmith in the Forest. *Michaelis.*
 At night. In the morning. At the brook.
 Morning prayer. Forest smithy.

- SINGING. — SEMI-CHORUS: Ave Maria. *Marchetti.*
 CHORUS: Old Daddy Longlegs (humorous). *Macirone.*

10. ESSAY. *Music as an Art.* EDITH A. WOODMAN.

11. FROM "LES FEMMES SAVANTES."
 BERTHA E. BUTMAN, LURA A. GORDON,
 HELENA McMASTERS, FRANK A. SMYTHE.

12. READING. The Old Actor.
 LIZZIE G. KNAPP.

13. POEM. MARY J. CHENEY.

- SINGING. — "Protect us through the coming night." *Curschmann.*

14. MEZENTIUS. *Virgil.*

FRANKLIN O. WATSON.

15. PROPHECIES. EMILY H. LEONARD.

16. VALEDICTORY. ALICE M. BUSWELL.

17. PRESENTATION OF DIPLOMAS.

By Mayor MARK F. BURNS.

18. PARTING HYMN.

MEMBERS OF THE GRADUATING CLASS.

Lucy Ella Brooks.
 Bertha Elizabeth Butman.
 Bertha Davis Chapman.¹
 Mary Judson Cheney.
 Abbie Emma Folsom.
 Lura Anna Gordon.
 Nellie May Humphrey.
 Lizzie Gerry Knapp.
 Maria Abigail Marston.
 Ella Gertrude Mathison.
 Helena McMasters.
 Ruth Gertrude Parkhurst.
 Beulah Maria Peirce.
 May Eleanor Powers.
 Annie Walker Sleeper.
 Mary Louise Spear.
 Anna Lincoln Stone.
 Eliza Ellen Taintor.

Annie Gertrude Tower.
 Edith Arletta Woodman.
 Edward Lewis Burns.
 Harry Eaton Damon.
 Harry Gay Fletcher.
 Albert Elisha Fowler.
 Fred Ham.
 Henry Standish Hayward.
 Augustus Ludvig Jansson.
 Edward Greenwood Moody.
 William Eben Phillips.
 Ernest Dean Pillsbury.
 Edward Berry Russell.
 Frank Arthur Smythe.
 Frank Baldwin Tallman.
 Frank Leslie Tibbetts.

¹ Diploma not received on account of the omission of one study.

COURSE PREPARATORY TO COLLEGE.

Walter Perkins Hutchinson.	Angie Bertha Hardy.
Hemmay Klaipo.	Clara Anne Jolinson.
James Dwight Prindle, Jun.	Emily Henrietta Leonard.
Franklin Oliver Watson.	Katharine Rebecca Miles.
	Leila Logan Rand.
Alice Maude Buswell.	Sarah Albertie Tuttle.
Clara Zenora Elliot.	Leonora Vinal.

EVENING SCHOOLS.

The public statutes require every town and city in the Commonwealth, having ten thousand or more inhabitants, to establish and maintain evening schools for giving free instruction in industrial or mechanical drawing to persons over fifteen years of age; and in orthography, reading, writing, geography, arithmetic, drawing, the history of the United States, and good behavior, to persons over twelve years of age.

In compliance with these requirements, four evening schools have been established in different sections of the city, and are now in successful operation: one, for instruction in mechanical and free-hand drawing, in the high-school building; and three, for instruction in grammar-school studies, in the Prescott, Luther V. Bell, and Highland schoolhouses.

EVENING DRAWING-SCHOOL.

Number of sessions	10
Whole number registered	107
Males, 85; females, 22.	
Average attendance	95
Per cent of attendance	82
Cost of materials	\$396 26
“ “ instruction	97 50
“ “ gas	13 60
Janitor's services	10 00
Total cost	<u><u>\$517 36</u></u>

Principal. — Frank S. Mason.

Assistants. — Frank H. Collins, Frank H. Lord.

PRESCOTT EVENING SCHOOL.

Number of sessions	21
Whole number registered	85
Males, 62 ; females, 23.	
Average number belonging	72
Males, 52 ; females, 20.	
Average attendance	50
Males, 35 ; females, 15.	
Per cent of attendance	70
Average age	18 years, 4 months
Cost of instruction	\$175 50
“ “ books and stationery	36 52
“ “ gas	15 00
Janitor's services	21 00
Total cost	<u>\$248 02</u>

Principal. — G. A. Southworth.

Assistants. — D. L. Maulsbey, Emma Burke, L. E. Aiken,
Fannie Wade, E. F. Southworth.

LUTHER V. BELL EVENING SCHOOL.

Number of sessions	21
Whole number registered	124
Males, 101 ; females, 23.	
Average number belonging	83
Average attendance	63
Per cent of attendance	76
Cost of instruction	\$175 50
“ “ books and stationery	29 97
“ “ gas	15 00
Janitor's services	21 00
Total cost	<u>\$241 47</u>

Principal. — Herbert L. Morse.

Assistants. — F. A. P. Fiske, M. C. Worden, F. B. Ashley,
L. W. Shelton, H. M. Slack.

HIGHLAND EVENING SCHOOL.

Number of sessions	20
Whole number registered	48
Males, 45 ; females, 3.	
Average number belonging	38
Average attendance	33
Per cent of attendance	87
Cost of books and stationery	\$80 65
“ “ instruction	110 00
“ “ gas	12 54
Janitor's services	20 00
Total cost	<u>\$223 19</u>

Principal. — George E. Nichols.

Assistants. — Mr. Gould, Addie M. Brown.

COURSE OF STUDY.

The following law has been enacted by the Legislature of Massachusetts, and approved by the governor : —

SECTION 1. Physiology and hygiene, which, in both divisions of the subject, shall include special instruction as to the effects of alcoholic drinks, stimulants, and narcotics on the human system, shall be taught as a regular branch of study, to all pupils, in all schools supported wholly or in part by public money, except special schools maintained solely for instruction in particular branches, such as drawing, mechanics, art, and like studies. All Acts, or parts of Acts, relating to the qualifications of teachers in the public schools, shall apply to the branch of study prescribed in this Act.

Sect. 2. All penalties now fixed for neglect to provide instruction in the branches of study now prescribed by law shall apply to the branch of study prescribed in section one.

Sect. 3. This Act shall take effect on the first day of August, 1885.

In compliance with these requirements, suitable text-books have been placed in the hands of all teachers in our public schools, to be used by them in imparting oral instruction to their pupils in physiology and hygiene.

Sets of Van Antwerp & Co.'s physiological charts have been placed in all the larger school-buildings.

The "Business Standard" writing-books have been substituted for the "Duntonian" writing-books, in the schools of Prospect-hill district.

Some important modifications have been made in the course of study in arithmetic, whereby the work is more equally distributed among the several classes.

In order to secure a more complete correspondence between the work required of the schools, the time allotted for its performance, and the average ability of pupils, some changes in the management of the schools have been introduced, and some further modifications in the course of study are required.

The length of our school-year is nominally forty weeks; but the holidays, and the stormy days in which the sessions of the schools are omitted, amount usually to two weeks. Consequently there are only thirty-eight weeks available for school-work during the year. In September, 1872, the length of the school-year was reduced two weeks. In July, 1875, the afternoon sessions were shortened thirty minutes. In January, 1884, a session of two hours Wednesday afternoon was substituted for the session of three hours previously held Saturday forenoon. Hence, during the last thirteen years, the school-year has been shortened one hundred seventy-six hours, or fifteen per cent; but no diminution of requirements has been made within that period of time. On the contrary, the course of study has been much extended.

As a result of these changes, pupils of average ability are unable to meet the requirements of the schools in the time assigned without undue assistance from their teachers. Teachers feel compelled, by much oral instruction, minute illustrations, and by various other expedients, to simplify the work of their pupils and to render them much assistance during their entire course.

The natural effect upon the mental habits and character of pupils, resulting from such practice continued through a series of years, is strikingly apparent, and claims our thoughtful and serious attention. The more obvious results of thus constantly relying upon the guidance and assistance of others, are superficial scholarship, want of self-reliance and self-confidence, lack of close and vigorous application to study, inability to gain knowledge from the printed page without much assistance, and marked deficiency of mental vigor and strength of will, so essential in overcoming the difficulties which constantly confront the learner in all his course.

These results must be remedied by avoiding the causes which produce them. To induce habits of close and vigorous application, more study must be required of pupils. The arrangements in all the schools must be such as will secure the greatest amount of time for study in school hours. We must insist upon greater thoroughness in the essentials of all studies pursued in the schools. The course of study must be contracted by eliminating, from all the studies pursued, whatever is of minor importance and of doubtful utility. School requirements, school time, and the ability of the learner should so harmonize that the work demanded may be accomplished by industrious, faithful pupils of average ability, within the hours assigned to the schools.

As a rule, we would confine school work to school hours. Pupils who faithfully and industriously devote themselves to the performance of school duties during school hours should be released from them when they leave the schoolroom. The time that intervenes between the sessions of the schools should be devoted to rest, recreation, and the performance of home duties. If, in a well-organized and wisely conducted school, industrious pupils of average ability are unable to meet its requirements in school hours, we are constrained to conclude that the demands are excessive and should be reduced.

Several changes of encouraging promise have been introduced to afford pupils more time for study in school, and to reduce school requirements.

All schools which contain a single class are divided into two sections. While the pupils of one section are reciting, those of the other section are preparing their lessons. By this arrangement every pupil can recite at each recitation without prolonging it to the point of weariness. The expectation that at some stage of the recitation he will be required to communicate to his teacher and associates something of what he has learned, becomes to the pupil a healthy incentive to careful preparation of the lesson assigned. School time is definitely apportioned to the several studies according to their estimated relative importance. Time is gained for securing greater thoroughness in the essentials of the several studies by omitting much of doubtful value.

TEXT-BOOKS.

Nearly all the text-books in the schools, at the present time, belong to the city.

Cost of books purchased in 1884	\$7,325 00
For the high school	\$1,189 00
“ “ grammar and primary schools,	6,136 00
Cost of books purchased in 1885	\$3,379 00
For the high school	\$1,092 00
“ “ grammar and primary schools,	2,141 00
“ “ evening schools	146 00
Cost of all books belonging to the city	\$10,704 00
For the high school	\$2,281 00
“ “ grammar and primary schools,	8,277 00
“ “ evening schools	146 00
Average cost per scholar in the high school	\$6 03
“ “ “ “ “ “ grammar and primary schools	1 72

GENERAL OBSERVATIONS.

The character and efficiency of the public schools are matters of general concern. It is not surprising, therefore, that the management of these schools, and the methods of instruction pursued in them, should elicit many criticisms. Censures without adequate cause, and criticisms without intelligence, so far as they weaken public confidence, and thereby detract from the usefulness of the schools, are to be deprecated; but intelligent, discriminating criticisms, emanating from a desire to improve the schools, and to awaken healthy interest in the community in their behalf, should be encouraged, and kindly and gladly received. Truth is best perceived when viewed from many stand-points. We may be greatly assisted to a right performance of our duties, by a knowledge of the opinions of many persons, well qualified to pass accurate judgment upon the merits and defects of our work. “In the multitude of counsellors, there is safety.”

Among the questions most frequently discussed by intelligent critics of the public schools are the following, which are always timely, and claim the careful consideration of all persons to whom

the interests of the schools are committed: "Are the large appropriations for the maintenance of the public schools economically and wisely expended? Are the results obtained commensurate with the expense incurred? Are the studies pursued wisely chosen, and such as will be most helpful to pupils in the performance of their life-work? Are the methods of instruction adopted the best that have been devised? Are our teachers, all of them, the best that can be secured for the compensation awarded? Have they that high degree of intelligence and culture, that enthusiasm and devotion to their work, which are indispensable to the highest success? Are they apt to teach, and wise in their selections of what they teach? Do they discipline with judgment and discretion? Are they conscientious in their work, and do they exercise, at all times, a salutary moral influence upon their pupils?"

These are all pertinent and vital questions. Criticisms and censures even should be gracefully received whenever these questions do not admit of decided, affirmative answers.

To us who have accepted from our fellow-citizens the responsibility of directing the education of the children and youth of this community, the question, "What may justly be demanded of the public schools?" is one of vital interest. It is wise to consider whether or not the schools under our supervision are fairly meeting those demands.

An intelligent writer and critic says, "It may justly be demanded of the school, that it lay the foundation of character, quicken the moral sense, and help the child to become an honorable citizen; that it train for life, — that the acquisition of power be placed before the gaining of knowledge; that it furnish the child with a good store of information; and that it guard with vigilance the health of every pupil."

We are not permitted to know the future of our pupils, or what will be demanded of them when they enter upon the duties, and assume the responsibilities, of citizens; but it is safe to presume that they will need all the added strength which education can give to their natural endowments. In our instruction, therefore, we must have due regard to their entire being, and seek the cultivation and invigoration of each department of their threefold nature, — body, mind, spirit; for any system of education is defective which ignores or neglects either of these. By precept and by example we should endeavor to lead our pupils to the habitual observance

of known and accepted laws, whereby they may secure and retain physical health, vigor, and endurance. We should labor earnestly to make them intelligent, to furnish their minds with rich stores of useful knowledge, to develop mental power, and to promote intellectual culture. But our work for them is but partially and imperfectly performed, if, in consequence of our instruction and influence, they are not stronger to resist evil, firmer of purpose to pursue the right and the true, and if in all their future they have not more exalted aims and deeper reverence of heart for whatever is sacred and pure. Our pupils may well forego the renown that accompanies brilliant scholarship and superior intellectual attainments, if they can pass through life with firm moral principles and unsullied characters ; if, under all circumstances, they “hold fast to the venerable landmarks of morality, and obstinately cling to moral good.”

Respectfully submitted.

J. H. DAVIS,
Superintendent of Schools.

SOMERVILLE, Jan. 2, 1886.

REPORT

OF THE

SOMERVILLE MYSTIC WATER BOARD.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 9, 1886.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 10, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

To his Honor the Mayor and the City Council.

GENTLEMEN, — The Somerville Mystic Water Board respectfully submits its report for the year ending Dec. 31, 1885, accompanying it with a detailed report of the superintendent to this board, giving an account of the condition of the property, reporting the year's work, presenting a financial statement, and specifying the needs of the department the coming year.

In view of the fact that a much smaller appropriation was granted than seemed to the board necessary at the beginning of the year, we are gratified that the condition of the market, together with favoring circumstances in the doing of work, has enabled us to place the department in a condition to reduce the number of bursts nearly one-half, and the number of leaks one-third, lessening the expense for repairs very materially.

Three-fourths of the six thousand two hundred and eighty-six feet of extension of distribution mains have been cast-iron pipe, while half of the remainder has been galvanized iron. This is in accordance with the vote of the board, Oct. 4, 1884, expressing its confidence in the economy of iron pipe, and the protection of water-takers from the annoyance of frequent breaks. Our experience is the same as that of other cities. Fitchburg finds the cement-lined water-mains a great burden of expense for repairs, costing \$3,520 to keep in repair, for one year, twenty-one miles of cement-lined pipe, and only five dollars for eleven miles of iron pipe. Worcester says the only trouble experienced in the water-department is with the cement-lined pipe, and they are replacing it as fast as possible. The "History and Statistics of American Water-Works" shows the same condition of things throughout the country. It was practically impossible to lay iron pipe when our mains were originally built, owing to the inflation of iron at that

time ; and there has been no time since, until recently, when the price was within the reach of our city. The depression of the iron market, and the improved facilities of manufacture, have enabled us to secure it at a slight advance on the cost of cement-lined pipe.

The relaying of Linwood and Fitchburg Streets with twenty-six hundred and eighty-two feet of cast-iron pipe was the most important work of the year. The old pipe, when uncovered, was found to be in a condition worse, if possible, than we had anticipated. The joints were weak, and many of them leaking.

The Beacon-street main should certainly be relaid this year. Ten times during the past year was travel interrupted on that important thoroughfare, by bursts or leaks ; nearly one-fifth of all the bursts and leaks of the year were on that main.

The department should lower the pipes in some of the streets the coming year, to avoid freezing. Few annoyances to water-takers are so vexatious, and inexcusable on our part, as to be deprived of water from street freezing. This is no reflection upon the action of the board in the past, but comes from the lowering of the street grade, so as to bring the pipes near the surface. It has already cost the city almost as much to thaw and repair these exposed pipes, as it would have done to relay them. No private enterprise would allow such a state of affairs to continue, and the city cannot afford it.

We must again emphasize the value of the hydrants, and express our purpose to supply many new ones for the better protection of property from fires, appreciating the necessity of this department co-operating with the fire-department in this regard. Special attention has been given to the quality and the setting of the new hydrants, and those substituted for old ones. No one of the three hundred and three hydrants failed to meet the requirements of the fire-department the past year. Much attention has been given to the examination of hydrants ; and, in the case of severe weather, they are carefully protected from freezing. We are confident that you will see the necessity of making the appropriation to this department sufficient to enable the board to set the thirty new hydrants asked for by the fire-department.

Permission was given last year in several cases for the use of the hydrants in watering streets. This is in every way undesirable, as injury comes to them by unskilled handling. It is hoped

this practice may be discontinued the coming year. This can only be done by setting four new stand-pipes.

The large iron drinking-fountain in Union Square, at which hundreds of horses have drunk daily, without unchecking, has probably been the greatest public convenience in the city. It has been frequently broken by heedless teamsters, until finally it has been rendered useless. We cannot afford to take a step backward in such a comfort for man and beast; but a more substantial fountain will probably be required for economy's sake, if no other.

There are in the city nearly 50 miles of distribution mains. 27 miles and 1,998 feet of service-pipe, and 4,334 services.

The amount spent for construction the past year was \$5,245.67.

For the work done in laying services, setting gate-boxes, repairing, etc., as well as for the condition of the buildings and the stock account, we refer you to the detailed statement of the superintendent, Mr. Nathaniel Dennett, herewith submitted, whose faithful service and skill are highly appreciated by this board.

J. O. HAYDEN.

WALTER S. BARNES.

CHAS. H. BROWN.

JOHN M. WOODS.

MILO CRANE.

SUPERINTENDENT'S REPORT.

To the Somerville Mystic Water Board.

GENTLEMEN, — I present a report of all the work done under my supervision during the year ending Dec. 31, 1885.

DISTRIBUTION MAINS.

These were extended a total distance of 6,286 feet, or one mile 1,006 feet; the pipe used consisting of 4,593 feet 8 inches of cast iron. 977 feet of cement lined, and 715 feet 4 inches of galvanized iron. The expense of trenching for the cement-lined pipe laid for the Middlesex Bleachery was borne by that corporation, and a proportion of the expense of extension in Tennyson, Jaques, and Thorndike Streets was assumed by private parties.

There were relaid 2,682 feet of cast-iron pipe in Linwood and Fitchburg Streets, the same taking the place of cement-lined pipe, which, when uncovered, was found to be in a very precarious condition, especially at the joints, many of which were weak and leaking. The work of relaying was done in the most thorough and substantial manner, and will prove a great benefit to that section of the city.

The old cement-lined pipe extending from Washington Street through the McLean Asylum grounds having become unreliable, a new line of cast-iron pipe was run from the end of Fitchburg Street, under the Lowell Railroad embankment, and up the rear avenue to a connection near the main building; the McLean corporation paying all the expenses of the extension, and of relaying Fitchburg Street, excepting the actual cost of the pipe in said street.

There were 37 bursts on mains, in repairing which 205 feet of pipe were used. There were also 24 leaks on mains from various causes; pick-holes, rust, etc. The number of bursts the previous

year was 71, and of leaks 35; showing a decrease of 34 in the former, and 10 in the latter, in 1885.

I would again call your attention to the weak condition of the main in Beacon Street. There were five bursts and an equal number of leaks thereon the past year; and much damage and delay to travel are liable to be caused at any time, particularly on account of the proximity of the street-railway. The main in Maple Street is very weak, and both the above-named streets should be relaid on the first opportunity. Walnut Street, also, between Bonair Street and Broadway, a distance of 600 feet, should receive the earliest attention. For the past seven years bursts have been numerous there, and fifty-five dollars have been paid in damages, apart from the expense attendant upon repairs. The depth of the pipe is so great that a burst is liable to destroy the foundations of buildings in the vicinity.

As much as possible of the old cement-lined pipe should be removed each season, and cast-iron pipe substituted. By so doing, and by employing the stronger material for all new work, a marked diminution in the number of bursts and leaks will be observable, and greater safety secured in case of fire.

I again call your attention to certain streets wherein the pipes should be lowered to prevent the services connected with them from freezing. Alterations in grade in parts of Bond and Rush Streets, and in Washington Street near the Lowell Railroad, have left the mains so near the surface that freezing is inevitable and a source of much trouble and expense every winter. There are about five services on Washington Street, and nine on Bond Street, for thawing and repairing which a sum nearly sufficient to relay the pipes has already been expended.

MAIN GATES.

Twenty-three new gates were set, fourteen on the extensions and nine on old mains; viz.:—

On extensions, —

1 six-inch gate, corner of Vinal and Summit Avenues.

1 “ “ at Middlesex Bleachery.

1 four-inch gate in Mount Pleasant Street.

1 “ “ corner Eglantine and Gilman Streets.

1 “ “ “ Glen and Pearl Streets.

- 1 six-inch gate, corner New Thurston and Medford Streets.
- 1 " " " Jaques Street and Chauncy Avenue.
- 1 one and one-fourth inch gate, corner Pearl Street and Pearl-street Place.
- 1 six-inch gate, corner Sycamore Street and Highland Avenue.
- 1 four-inch gate, corner Walnut Street and Highland Avenue.
- 1 six-inch gate, Pearl Street, near Pearl-street Place.
- 1 " " corner Thorndike and Holland Streets.
- 1 " " " Dartmouth and Medford Streets.
- 1 " " McLean Asylum grounds.

On old mains, —

- 1 six-inch gate, at Sacramento Street and Somerville Avenue.
- 1 four-inch gate, at Chester and Orchard Streets.
- 1 " " Dover, near Orchard Streets.
- 1 " " at Bonair and Dana Streets.
- 1 six-inch gate, Park Street, near Ivaloo Street.
- 1 one-inch gate, Ivaloo, corner of Park Street.
- 1 six-inch gate, Linwood Street, near Poplar Street.
- 1 " " Somerville Avenue, corner Linwood Street.
- 1 " " Fitchburg Street, near Lowell Railroad.

Gate-boxes were placed over twenty-three new gates and twenty old ones, and fifteen received repairs. Four gates were reset, and seven were substituted. Three were moved; many were packed and otherwise repaired; all had great care, and all are believed to be in good condition. The total number of gates in the city is four hundred and sixty-one.

HYDRANTS.

These form an important feature of the public economy, since upon their judicious distribution and proper setting the safety of property largely depends.

Two new hydrants were set, — one for the Middlesex Bleachery, on their extension; and one on Hawkins Court, about three hundred feet from Hawkins Street. Six hydrants were substituted, six reset, seven repaired, five thawed, and one removed. The last named was a Lowry hydrant on Perkins Street, near the Charles-town line, in place of which a post-hydrant was set. The Lowry

will be repaired and used when needed. The total number now in the city is three hundred and three. All are in excellent condition, and no instance was reported of their failure to fully meet all the requirements of the fire-department. They are thoroughly examined every two months, and on the approach of cold weather every precaution is taken to prevent their freezing. As the result of a careful estimate by the chief of the fire-department and myself, based upon the increase of buildings, and the inadequately protected condition of certain localities, I recommend that thirty new hydrants be set in 1886.

I renew my recommendation contained in a former report, that all hydrants set in clay soil have such soil removed from around them, and that it be replaced with soil of a gravelly nature. This is necessary to prevent "heaving" by the action of frost.

STAND-PIPES.

These are all in good order, requiring but slight expense during the year. No new ones were set, but more are much needed, and I therefore recommend the setting of four the present year.

DRINKING-FOUNTAINS.

All these received the customary care, ten having been repaired. Three of the fountains for personal use were discontinued, as it was found impossible to prevent their injury by malicious parties. These were in Davis Square, Union Square, and on the Park.

The large fountain at the easterly end of Union Square required great attention, and caused considerable expense. It was set as an experiment, and, being steadily used by horses, was often injured. It was finally knocked from its foundation by a heavy team. And I recommend that your board confer with the committee on highways, on the subject of replacing it with one better adapted to the requirements of such a thoroughfare as Union Square.

SERVICES.

There were 288 services laid, an increase of 80 over the number in 1884. There were used 11,770 feet of pipe, making a total length in the city of 144,558 feet, or 27 miles 1,998 feet. The

total number of services is 4,334. The average cost per service was \$18.22.

Twenty new services were substituted for old ones; 143 were cleared of eels, rust, sediment, etc.; 37 iron service-boxes were set in place of old wooden ones; 11 new gates and 22 new gate-boxes were set on old services; 3 services were lowered; 68 services and 65 boxes were repaired, and one service hydrant was set. Water was shut off, for repairs and other causes, from 131 dwellings, shops, stables, etc.

The old wooden service gate-boxes in the city, to the number of about five hundred, being all in a decayed condition, are practically useless, and should have improved iron ones set in their places as soon as possible. The loss of their covers (which are often found kicking about the streets) renders them dangerous to pedestrians; and, as they become filled with dirt, it is frequently impossible to shut the gates in sidewalks when repairs are needed.

MISCELLANEOUS WORK.

Seventy-two trenches were repaired. and seventy-four places paved.

WORK OF DEPARTMENT SHOPS.

Ninety pieces, or six hundred and thirty feet, of cement-lined pipe were made, many hydrants and gates repaired, gate-boxes constructed, all the fittings for services prepared, and a large amount of incidental work was performed.

BUILDINGS.

The water-works building, corner of Prospect Street and Somerville Avenue, received some greatly needed interior alterations and repairs, making the office more commodious and convenient for the board and for citizens. New tables, chairs, etc., were furnished. The alterations also gave increased and more desirable shop-room, the want of which had long been felt. The building stands greatly in need of exterior repairs to make it conform to the generally excellent appearance of all other buildings owned by the city.

STOCK ACCOUNT.

Cast-iron pipe	\$5,966 10
Cement-lined pipe	421 90
Sheet iron	337 18
Sheet-iron shells	22 40
Sheet-iron sleeves	6 31
Special castings	211 82
Stand-pipes	27 00
Hydrants and fittings	193 60
Gates	171 85
Clamps	32 25
Machinery and tools for water-works	1,303 91
Miscellaneous water-works property	228 67
Tools for water-service	447 70
Water-service materials	634 72
Stable department	1,234 48
Office furniture	261 65
Total	<hr/> \$11,501 54

DISTRIBUTION-PIPES LAID, AND GATES AND HYDRANTS SET, IN 1885.

LOCATION.	NUMBER OF FEET OF DISTRIBUTION-PIPE LAID.				GATES SET.				Hydrants Set.
	1½-in.	2-in.	4-in.	6-in.	1-in.	1½-in.	4-in.	6-in.	
Bonair and Dana Streets,	-	-	-	-	-	-	1	-	-
Bond Street . . .	-	-	-	95	-	-	-	-	-
Chapel Street . . .	-	-	47	-	-	-	-	-	-
Chester and Orchard Sts.	-	-	-	-	-	-	1	-	-
Dartmouth Street . .	-	-	-	423	-	-	-	1	-
Dover, near Orchard St.	-	-	-	-	-	-	1	-	-
Eglantine Street . .	-	-	176-8"	-	-	-	1	-	-
Fitchburg Street . .	-	-	-	-	-	-	-	1	-
George Street . . .	-	-	28	-	-	-	-	-	-
Glen Street	-	-	330	-	-	-	1	-	-
Granite Street . . .	-	289	-	-	-	-	-	-	-
Hawkins Court . . .	-	-	-	-	-	-	-	-	1
Highland Avenue . .	-	268	-	-	-	-	-	-	-
Ivaloo, corner Park .	-	-	-	-	1	-	-	-	-
Jaques Street . . .	-	-	-	215	-	-	-	1	-
Linwood Street . . .	-	-	-	-	-	-	-	1	-
McLean Asylum . .	-	-	-	438	-	-	-	1	-
Medford Street . . .	-	-	-	358	-	-	-	-	-
Middlesex Bleachery .	-	-	-	160	-	-	-	1	1
Morgan Street . . .	-	-	210	-	-	-	-	-	-
Mt. Pleasant Street .	-	-	255	-	-	-	1	-	-
Mystic Avenue . . .	-	-	-	204	-	-	-	-	-
New Thurston Street .	-	-	-	238	-	-	-	1	-
Park, near Ivaloo . .	-	-	-	-	-	-	-	1	-
Pearl Street	-	-	-	528	-	-	-	1	-
Pearl Place	158-4"	-	-	-	-	1	-	-	-
Richdale Avenue . .	-	-	-	138	-	-	-	-	-
Sacramento Street . .	-	-	-	-	-	-	-	1	-
Summit Avenue . . .	-	-	-	160	-	-	-	1	-
Som. Av. and Linwood,	-	-	-	-	-	-	-	1	-
Sycamore Street . . .	-	-	-	253	-	-	-	1	-
Tennyson Street . . .	-	-	243	-	-	-	-	-	-
Thorndike Street . .	-	-	-	386	-	-	-	1	-
Walnut Street . . .	-	-	227	-	-	-	1	-	-
Washington Street . .	-	-	-	358	-	-	-	-	-
Winslow Avenue . . .	-	-	100	-	-	-	-	-	-

NUMBER OF FEET OF WATER-PIPE RELAID IN 1885.

	3-inch.	4-inch.	6-inch.
Avon Street	—	7	—
Beacon Street	—	—	21
Bonair Street	—	7	—
Cedar Street	—	—	5
Chestnut Street	—	7	—
Emerson Street	—	14	—
Everett Street	—	14	—
Everett Avenue	—	11	—
Fitchburg Street	—	—	480
Florence Street	—	13	—
Franklin Avenue	15	—	—
Linwood Street	—	132	2,070
London Street	—	7	—
Maple Street	—	5½	—
McLean Asylum	—	—	12
Mondamin Court	—	14	—
Prescott Street	—	—	6
Professors' Row	—	—	7
Prospect Street	—	—	5
Summer Street	—	7	—
Vine Street	—	—	7
Walnut Street	—	—	5
Warren Avenue	—	—	5
Washington Street	—	7	—

Respectfully submitted.

NATHANIEL DENNETT.

REPORT

OF THE

OVERSEERS OF THE POOR.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 26, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 27, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

BOARD OF OVERSEERS OF THE POOR OF THE CITY
OF SOMERVILLE, 1885-86.

HON. MARK F. BURNS, MAYOR,
Chairman, ex officio.

HERBERT E. HILL	Ward One.
CHARLES S. LINCOLN, <i>Chairman</i>	Ward Two.
EDWARD GLINES	Ward Three.
CHARLES G. BRETT	Ward Four.

COMMITTEES.

Finance. — Messrs. GLINES and HILL.
Investigation and Relief. — Messrs. LINCOLN and BRETT.

GEORGE T. LINCOLN, *Secretary.*
CHARLES C. FOLSOM, *General Agent.*
THOMAS M. DURELL, *City Physician.*

OFFICE: Police Building, Bow Street.

CITY OF SOMERVILLE.

To the Honorable City Council of the City of Somerville.

THE present Board of Overseers of the Poor was created under Chap. 61 of the Statutes of 1885. Under the provisions of that Act, the members held their first meeting on the first Monday of May last, for the purposes of organization, at which a chairman was elected to preside in the absence of the mayor, who is a member and *ex-officio* chairman of the board, and a temporary secretary was appointed. By-laws were subsequently adopted, by which the board was to be governed in its work. They provide for the appointment of a general agent and secretary, and in general terms define their duties; it being voted to keep the two offices separate. The board having been informed that the appointment of these officers come under the provisions of Chap. 320 of the Acts of 1884, entitled "An Act to improve the civil service of the Commonwealth and the cities thereof," a competitive examination of the candidates was subsequently held by the chief examiner of the civil-service commission; and from the names reported eligible, selection was made, resulting in the appointment of Charles C. Folsom as general agent, and George T. Lincoln as secretary, at salaries fixed by the city council.

These proceedings necessarily caused considerable delay in entering upon the course which the board had contemplated in the prosecution of its work.

Thomas Cunningham and George W. Washburne, members of the old board, were temporarily employed to discharge the duties of general agent till July 1, when Mr. Folsom's appointment took effect. It is but just to these gentlemen to say that they manifested a sincere desire to carry out the wishes of the new board of overseers, and rendered valuable aid and information whenever required, both to the members and its agent.

In entering upon the trust imposed on them by the city council, the board of overseers desire to say that they deemed it of first importance, in order to make their labor serviceable, that a thorough system should be inaugurated, and an intimate knowledge obtained of the details of the office, as well as an acquaintance with the laws relating thereto, especially to settlement of paupers ; also, that care should be taken, in administering aid to the poor, to study the effect upon the character of the recipient, as well as his personal needs. Grave questions arise : how much, and in what cases, aid is to be given for the relief of the unfortunate. A wise discrimination must be constantly exercised. There are doubtless many worthy objects of charity where immediate succor ought to be granted, yet there are many cases where giving too freely operates injuriously upon the character and condition of the persons who may receive supplies.

To guide him in his work, the duties of the general agent are thus defined : —

DUTIES OF THE GENERAL AGENT OF THE OVERSEERS OF THE POOR DEFINED.

In entering upon the duties of his office, the general agent should, as soon as may be, familiarize himself with the laws relating to the poor, especially relating to the laws of settlement.

He should also familiarize himself with the methods or rules to be used in administering the affairs of his office, and especially with the system of books adopted by the board.

The records should be made with care, in detail, and carefully preserved, with proper indexes of cases, and with references to important matters which may arise. All letters received, relating to the affairs of the board, should be filed, or put in a blank binding prepared for the purpose, in the order received, and properly indexed. Copies of all letters and notices sent by the board, either of its members or its officers, should be preserved in a letter-book or otherwise, especially if such letters or notices relate to a settlement. The general agent should make a minute of all important matters that occur in the discharge of his duties, call attention of such matters to the board, and make such suggestions as the case may, in his judgment, warrant.

The general agent should give immediate attention to all applications for aid, investigate their merits, and furnish aid, as the pressing nature of the case may demand. In getting the history of applicants, every important fact should be taken and preserved, especially the facts which may determine the settlement of the applicant ; his willingness and capacity or ability to work, his trade or calling, the cause of his poverty, and other circumstances, should be ascertained and preserved in some form approved by the board.

Great care should be taken to avoid imposition; and the general agent should, so far as possible, obtain his information and make his investigation in person and from any other reliable sources. When applicants are able to work, the general agent should require them to do some work, if he has any, as compensation for aid which may be granted.

In giving orders for supplies, duplicate lists should be preserved, and the applicant's receipt therefor taken.

The general agent shall compare all bills rendered with the orders which shall be returned with the bills; and the persons filling the orders shall require the applicant, in whose favor it is given, to receipt for the supplies on such order itself, and return the same with their bills as vouchers. All money-orders shall be drawn on the city treasurer, signed by the general agent, and countersigned by one member of the board. An order-book for money shall be kept, from which such orders shall be taken for the applicant, a memorandum of which, showing the name of applicant, amount, and purpose, shall be preserved in counterpart.

He shall devote his whole time to the duties of his office, so far as it shall be necessary. In case of temporary absence, his place shall be filled by some person to be selected by him, satisfactory to the committee on investigation and relief, and at his own expense.

The books of the old board of overseers, containing their accounts, have, with some slight modifications and additions, been continued in use by this board to the present time.

The appropriation of the city council for the maintenance of this department for 1885, —

Annual appropriation	\$14,000 00
Subsequent "	1,000 00
Received from outside sources (as per statement " D ")	1,495 79
	<hr/>
	\$16,495 79
Total expenditures	16,430 32
	<hr/>
Balance unexpended	\$65 47

The various purposes to which this amount has been applied, and the corporation expenditures for the years 1884 and 1885, will be seen in the tabular statements annexed, which were prepared by the secretary of this board.

ALMSHOUSE.

The subject of an almshouse and burial lot has been called to the attention of the present Board of Overseers, and the necessity for the same discussed by them. The question is becoming one of serious importance, and should receive a careful consideration, whether viewed from motives of economy, or on the grounds of convenience or necessity.

The overseers do not wish to be regarded as indifferent on the subject; at the same time they would hesitate to impose upon their fellow-citizens any extravagant outlay, or appear importunate in bringing the matter to public attention, or suggest an expenditure which the condition of the city finances would not justify, or the public good require, nor would they arrogate to themselves the exclusive recognition of the events and needs of this department, nor have they any favorite scheme to propose; but they feel, in bringing this important subject to the attention of the city council, they perform but a plain duty from which they would not escape.

In closing, the Overseers of the Poor desire to add that their work is carried on by them in great harmony, and they are zealously and faithfully supported by the general agent and secretary.

STATEMENT (A) OF NUMBER OF PERSONS SUPPORTED WHOLLY OR IN PART DURING 1885.

Number of families having settlement in Somerville,	157
“ families having settlement in other cities and towns	32
“ families support chargeable in part to the State	33
	<hr/> 222
Number of persons having settlement in Somerville,	488
“ persons having settlement in other cities and towns	123
“ persons support chargeable in part to State	138
“ persons insane during the year	28
“ truants during the year	8
“ persons in almshouse, etc.	12
	<hr/> 797

STATEMENT (B) OF THE MONTHLY EXPENDITURES ON THE SEVERAL ACCOUNTS, WITH PAY-ROLLS.

	Rent.	Board.	Groceries.	Paid other Cities and 'Towns.	Paid Public Institutions.	Fuel.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Miscella- neous.	Amount of Pay-rolls.
Jan..	\$130 00	\$167 86	\$376 19	\$589 07	\$1,206 63	\$35 28	\$18 75	\$7 60	\$35 00	-	\$12 05	\$2,578 43
Feb..	129 00	139 14	256 40	-	134 64	347 95	28 75	22 25	54 00	\$50 00	36 25	1,198 38
M'ch,	126 50	217 66	337 86	166 73	864 54	199 33	20 50	1 00	20 00	300 00	39 35	2,293 47
April,	127 50	158 99	202 67	90 13	478 64	97 82	19 50	7 50	90 00	116 67	11 55	1,400 97
May .	121 50	162 51	185 61	9 30	57 56	50 18	19 15	-	20 00	-	14 00	639 81
June.	145 50	197 76	135 01	114 75	322 25	52 46	5 75	2 50	25 00	200 00	10 60	1,211 58
July .	133 50	213 56	64 03	526 71	1,181 32	12 95	-	-	6 00	145 83	84 49	2,373 39
Aug..	139 50	168 05	89 17	79 92	57 56	-	11 40	20 22	-	116 66	28 35	710 83
Sept..	129 50	180 60	76 00	-	282 64	-	-	-	57 00	116 66	56 10	898 50
Oct..	125 50	263 12	164 69	54 50	825 10	134 00	43 50	-	25 00	116 66	21 35	1,773 42
Nov..	126 50	184 78	-	-	-	-	-	-	-	116 66	7 00	434 94
Dec..	126 50	210 04	116 64	88 00	48 40	146 30	-	5 00	45 00	116 68	14 04	916 60
	\$1,561 00	\$2,264 07	\$2,004 27	\$1,719 11	\$5,459 28	\$1,076 27	\$167 30	\$66 07	\$377 00	\$1,395 82	\$340 13	\$16,430 32

COMPARATIVE STATEMENT (C) OF EXPENDITURES IN THE SEVERAL
ACCOUNTS FOR 1884 AND 1885.

ACCOUNTS.	1884.	1885.
Rents	\$1,500 93	\$1,561 00
Board	1,094 76	2,264 07
Groceries	2,402 36	2,004 27
Dry goods and boots and shoes	243 05	233 37
Salaries	1,377 50	1,395 82
Fuel	1,193 37	1,076 27
Burials	332 53	377 00
Paid other cities and towns	2,461 16	1,719 11
Paid public institutions	5,140 56	5,459 28
Miscellaneous	626 30	340 13
Total	\$17,272 52	\$16,430 32

PAY-ROLLS FOR 1884 AND 1885.

	1884.	1885.
January	\$2,913 20	\$2,578 43
February	980 45	1,198 38
March	1,487 43	2,293 47
April	1,716 54	1,400 97
May	718 23	639 81
June	1,750 43	1,211 58
First half of year	\$9,566 28	\$9,322 64
July	\$1,415 09	\$2,373 39
August	1,231 11	710 83
September	2,072 35	898 50
October	1,023 72	1,773 42
November	828 79	434 94
December	1,135 18	916 60
Second half year	\$7,706 24	\$7,107 68
Total amount of pay-rolls	\$17,272 52	\$16,430 32

Excess of expenditures of 1884 over those of 1885, \$842.20.

STATEMENT (D) OF SUMS RECEIVED FROM OUTSIDE SOURCES.

Commonwealth of Massachusetts, aid to paupers	.	\$319 90
City of Chelsea,	" " "	21 90
" Malden,	" " "	63 70
" Lowell,	" " "	18 35
" Boston,	" " "	394 48
" Newburyport,	" " "	20 35
" Salem,	" " "	18 45
Town of Medford,	" " "	52 85
" Brookline,	" " "	34 80
" Sandwich,	" " "	10 20
" Natick,	" " "	4 35
" Arlington,	" " "	58 75
" Carlisle,	" " "	49 95
" Warren,	" " "	10 85
" Winchester,	" " "	34 85
" Hingham,	" " "	4 45
" Manchester,	" " "	27 95
Henry Coffin,	" " "	97 14
Thomas Garvin,	" " "	22 50
William Crangle,	" " "	43 64
Dorcas Eldredge,	" " "	2 45
E. D. Eldredge,	" " "	4 45
S. W. Dow,	" " "	127 06
George W. Washburne, sale of materials	.	7 62
George F. Richardson, aid to paupers	.	13 00
Sundry persons, moneys not called for	.	31 80
		<hr/>
		\$1,495 79
		<hr/>

HERBERT E. HILL,	} Overseers of the Poor.
CHAS. S. LINCOLN,	
EDWARD GLINES,	
CHAS. G. BRETT,	

REPORT
OF THE
BOARD OF HEALTH.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 26, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Send down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 26, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE BOARD OF HEALTH,
CITY HALL, Jan. 26, 1886.

To his Honor the Mayor and the City Council.

GENTLEMEN, — In compliance with law, we present the eighth annual report of the Board of Health of Somerville, consisting of a condensed statement of our doings, and of the sanitary condition of the city, for the year ending Dec. 31, 1885.

MEMBERSHIP.

No change occurred in the membership of the board during the year. Jan. 28 George A. Kimball was re-appointed for two years, and Thomas M. Durell, M.D., was re-appointed city physician for three years.

ORGANIZATION.

Feb. 2 the board met, and organized by choosing the following-named officers : —

GEORGE A. KIMBALL, *Chairman.*

GEORGE I. VINCENT, *Clerk.*

WILLIAM H. BRINE (40 Houghton Street), *Inspector.*

NUISANCES.

The number and character of nuisances abated will appear by the following table, arranged according to the months when the complaints were received : —

NUISANCES ABATED IN THE YEAR 1885.

	* January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cellar damp	1	-	12	17	3	2	3	1	5	-	1	-	45
Cesspool defective	-	-	-	1	-	-	-	-	-	-	-	-	1
“ offensive	1	-	1	3	1	1	-	-	1	-	-	-	8
“ overflowing	-	1	-	-	1	1	-	1	-	-	-	-	4
Connections of drainage-pipes defective	6	4	7	8	3	-	4	-	6	7	1	-	46
Drainage defective	12	2	13	17	13	1	2	2	2	3	2	-	69
“ emptying into cellar	3	-	4	-	4	1	4	4	2	3	-	-	25
“ emptying on surface	8	-	3	4	3	2	6	2	4	1	-	-	33
“ not ventilated	4	2	2	2	1	4	-	1	1	2	1	-	20
Drain-pipe clogged	-	-	-	-	1	-	-	-	-	-	-	-	1
“ defective	5	1	2	3	2	7	2	4	3	3	4	1	37
Hennery offensive	-	-	-	-	-	1	1	-	1	-	-	-	3
Hens kept in cellar	2	-	-	-	-	1	1	-	-	-	-	-	4
Manure exposed and offensive	1	-	1	3	2	2	1	5	2	-	2	1	20
No house-drainage facilities	-	-	-	-	-	-	-	-	-	-	1	-	1
Offal on land	1	1	1	10	-	1	-	1	7	1	-	-	23
Offensive odor in and about dwellings	6	-	2	5	2	1	1	-	4	3	1	1	26
Opening in drain-pipe in cellar	1	1	1	-	-	-	-	-	-	1	-	1	5
Premises filthy	3	1	3	17	7	2	3	3	1	-	1	-	41
Privy-vault defective	-	-	-	2	-	-	-	1	-	-	-	-	3
“ full	5	7	4	4	9	13	2	5	8	2	1	-	60
“ offensive	8	2	9	24	24	45	21	14	20	4	3	1	175
Sink leaking	-	-	-	-	-	-	-	1	-	-	-	-	1
Slaughter-house filthy and offensive	-	-	-	-	-	-	1	-	-	-	-	-	1
Slops thrown on surface	1	1	1	1	-	2	-	1	1	2	2	2	14
Stable and stable-premises filthy and offensive	2	-	2	3	1	5	3	-	-	-	-	-	16
Stagnant water in house-cellar	5	1	-	4	-	-	-	-	2	2	1	1	16
“ “ “ stable-cellar	-	-	-	1	2	1	-	-	-	-	-	-	4
“ “ “ on surface	-	-	-	21	3	4	2	-	1	-	-	-	31
Waste-pipe clogged	-	-	2	-	1	-	-	2	-	-	-	-	5
“ defective	1	-	-	2	-	-	1	2	-	-	1	1	8
“ not trapped	28	6	24	26	18	10	12	12	20	5	3	2	166
Water-closet defective	2	-	-	1	1	-	2	-	-	2	-	-	8
“ insufficiently supplied with water	3	-	4	1	4	2	-	2	3	2	1	-	22
Water-closet not properly ventilated	2	-	-	-	-	-	-	-	-	-	-	-	2
Water-closet offensive	5	2	3	4	5	5	4	4	4	3	2	-	42
Well-water polluted by drainage,	-	-	-	-	1	-	-	-	-	-	-	-	1
Wooden waste-pipes and drains,	-	-	-	-	-	-	3	-	1	-	-	-	4
Total	116	32	101	184	112	114	80	68	99	46	28	11	991

Number of nuisances abated	991
“ “ “ referred to the board of 1886	111
“ “ “ complained of	1,102
“ “ complaints (many covering more than one nuisance)	489
“ “ houses ordered vacated	29

* Including nuisances referred to us by the board of 1884.

Number of same since made habitable	14
“ “ same vacated in compliance with our orders	15
“ “ notices mailed	576
“ “ notices served by constables	54
“ “ letters written	96

The inspector has also, in going his rounds, given out notices to the number of 163, calling attention to minor troubles, such as untidiness of premises, garbage, ashes, and offal in yards, etc.

STAGNANT WATER IN STREETS. — We are pleased to note an improvement in the condition of many of our private streets, some of which have been repaired by the highway department, and others by this board.

CLEANING STREETS. — We would recommend that greater care be exercised to keep the streets clean. Many of those that are thickly settled should be cleaned quite frequently. We are informed that in Boston several of the business streets are cleaned daily, and we suggest that portions of our own streets near grocery and provision stores be cleaned at least twice a week.

PERMITS.

We have issued permits to keep swine and goats, and to collect grease, the same as in former years, charging two dollars for a permit to collect grease, and one dollar for each swine or goat.

All permits issued expire on the first day of May of each year.

SWINE. — Applications were received for permits to keep 232 swine. Permits were granted for 229, and refused for two, and the application for one was withdrawn.

GOATS. — Applications were received for permits to keep 19 goats, and permits were granted for all but one, — a permit for which was refused.

GREASE. — Twelve parties applied for, and were granted, permits to collect grease. Five of them resided in Somerville, four in Cambridge, and three in Boston.

We learn from the boards of health of Boston and Cambridge that forty-one Somerville parties were licensed during the year to collect grease in the former city, and six in the latter.

We have recommended three of our citizens as suitable persons to be licensed to collect grease in Cambridge.

ASHES.

Ashes and house-dirt were collected the first four months of the year by the highway department, under the direction of this board, at a cost of \$1,016.79. In April a contract was made with Martin Gill for removing the ashes, etc., for the year commencing April 29, at a compensation of one hundred and fifty dollars per month. Collections are made, the same as heretofore, on Wednesdays in Ward One, Thursdays in Ward Two, Fridays in Ward Three, and Saturdays in Ward Four; and the materials for removal (to be free from filth and offal) must be placed in barrels on the outer edge of the sidewalk before nine o'clock in the forenoons of the days when collections are to be made. The amount paid the highway department for removing ashes in 1884 was \$2,570.59, being an average of \$214.22 per month.

HOUSE-OFFAL.

Christopher Burke has collected the house-offal, under a three years' contract which will expire June 26 of the present year, without any money compensation.

Collections are required to be made at least once a week in December, January, February, and March; twice a week in April, October, and November; and three times per week in the months of May, June, July, August, and September.

NIGHT-SOIL.

Messrs. Russell and Fitch removed the contents of all privy-vaults and cesspools up to the 1st of June, by the old method, at a compensation, collected from householders, of four dollars per load in the months of May, June, July, August, September, October, and November, and two dollars and fifty cents in the five remaining months of the year.

On soliciting proposals for a new contract, it was found that lower prices could be obtained for doing the work by the new, or what is termed the "odorless," process, than by the old. Accordingly a contract for the term commencing June 1, 1885, and extending to Feb. 1, 1888, was made with Mr. R. M. Johnson of Arlington, for emptying the vaults and cesspools by the "odorless" process,

at a compensation of four dollars per load, or part thereof, throughout the year; a load consisting of eighty cubic feet, the same as under previous contracts.

The work is now done in the day-time, and very much quicker than by the old method; no dirt is made upon the premises, and all offensive odors are destroyed; and, altogether, the change is highly satisfactory.

Order-books are kept at the police-station on Bow Street, and at the grocery store at the corner of Perkins and Franklin Streets.

The contractors report that five hundred and sixty-two loads were removed during the year.

SEWERS.

During the year the board of aldermen laid a sewer in Cherry and Fairlee Streets, and a sewer was also built in Wyatt Street by the owners of the abutting estates. By means of the drainage facilities thus afforded, long-standing nuisances, which have been repeatedly mentioned in these reports, have been abated.

Sewers should be built in Lowell Street, Ward Three, and its vicinity, as the sewage now flowing on the surface causes a serious nuisance to the public.

A sewer is also needed in Woodbine Street, which is near Lowell Street, but on the other side of the Lowell Railroad.

SCHOOL-BUILDINGS.

In September a case of diphtheria occurred in the family of the janitor of the Luther V. Bell School; and, as they occupied apartments in the basement of the schoolhouse, they at once vacated the premises by our order, and the entire building was thoroughly fumigated under our direction. Soon afterward, at the request of the school committee, we made a careful examination of the drainage; and, because of defects found inside the building, it was deemed best to close the school until the proper repairs and changes could be made. The school was closed two weeks, and during that time the defects were remedied.

The sanitary arrangements in some of our school-buildings are defective, and should receive the careful consideration of those having the buildings in charge. We are glad to note that the authorities have taken an interest in this matter during the past few years.

DEATHS.

Five hundred and forty-eight deaths have occurred during the year, and twenty-four still-births.

MORTALITY IN SOMERVILLE IN 1885.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Zymotic Diseases.													
Scarlet-fever	2	1	1	5	-	1	-	-	1	-	2	1	14
Diphtheria	2	2	1	2	2	2	2	2	3	1	5	4	28
Croup	1	-	1	2	-	-	-	-	1	1	-	1	6
Typhoid-fever	2	1	-	-	1	-	1	1	3	1	1	-	11
Erysipelas	-	-	-	1	1	-	-	1	-	-	-	-	3
Dysentery	-	-	-	-	-	-	1	-	-	-	-	-	1
Diarrhœa	-	2	-	-	-	-	-	1	-	-	-	-	3
Cholera-infantum	1	-	-	-	-	-	14	4	1	1	-	-	21
Cerebro-spinal meningitis	-	-	-	-	-	-	-	-	-	1	-	-	1
Septicæmia	-	-	-	-	-	1	-	-	-	-	-	-	1
Whooping-cough	1	-	-	-	-	-	-	1	1	-	2	1	6
Puerperal fever	1	-	-	-	-	-	-	-	2	1	-	-	4
Measles	-	-	-	3	-	-	-	-	-	-	-	-	3
Constitutional Diseases.													
DIATHETIC.													
Anæmia	1	-	-	-	-	-	-	-	-	-	-	-	1
Syphilis	-	-	-	-	-	1	-	-	-	-	-	-	1
Cancer	2	-	2	-	2	2	-	2	-	1	3	-	14
Cancer of breast	-	1	-	-	-	-	-	-	-	-	-	-	1
Cancer of uterus	-	-	-	-	-	-	-	-	-	2	-	-	2
Abscess	1	-	-	-	-	-	-	-	-	-	-	-	1
TUBERCULAR.													
Tubercular meningitis	1	-	1	1	-	-	2	-	-	-	-	-	5
Marasmus	2	2	3	2	1	1	2	6	-	1	1	1	22
Local Diseases.													
NERVOUS SYSTEM.													
Apoplexy	3	5	-	-	-	-	1	1	1	1	-	-	12
Paralysis	1	-	1	-	1	1	4	-	-	-	3	-	11
Insanity	1	-	1	-	-	-	1	-	2	-	1	1	7
Brain-disease	1	-	1	-	-	-	-	-	-	-	1	-	3
Meningitis	1	-	1	3	-	1	4	3	2	2	-	4	21
Convulsions	1	-	-	-	2	-	4	3	2	1	-	1	14
Epilepsy	-	1	-	-	-	1	-	-	-	-	-	-	2
ORGANS OF CIRCULATION.													
Heart-disease	2	-	1	4	4	2	3	4	3	1	2	3	29
Pericarditis	-	-	-	-	-	-	-	1	1	-	-	-	2
RESPIRATORY ORGANS.													
Pneumonia	13	11	14	13	9	6	2	2	3	3	3	3	82
Bronchitis	1	2	2	3	5	-	-	-	1	-	-	1	15
Hæmorrhage	-	-	-	-	-	-	-	-	-	2	-	-	2
Lung-diseases	-	-	-	-	-	-	1	-	-	-	-	-	1
Phtisis pulmonalis	9	11	11	5	5	8	6	10	9	11	4	8	97
Pleurisy	-	-	-	-	-	-	-	1	-	-	-	-	1

MORTALITY IN SOMERVILLE IN 1885—*Continued.*

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
DIGESTIVE ORGANS.													
Gastritis	-	-	1	-	1	-	1	-	1	-	1	-	5
Enteritis	-	-	-	-	1	-	-	-	-	-	1	-	2
Peritonitis	-	-	3	-	2	-	1	1	-	-	-	3	10
Liver-disease	1	2	1	1	-	1	1	-	-	-	1	-	8
Obstruction of bowels	1	-	-	-	-	-	-	-	-	-	-	-	1
Hernia	-	-	1	-	-	-	-	-	-	-	-	-	1
GENITO-URINARY ORGANS.													
Bright's disease	3	1	-	3	1	-	4	1	2	1	2	1	19
Diabetes	-	-	-	-	1	1	-	-	-	-	-	-	2
Cystitis	-	1	-	-	-	-	-	-	-	-	-	-	1
Developmental Diseases.													
OF CHILDREN.													
Premature birth and infantile debility	1	-	-	-	1	2	4	1	2	1	1	2	15
OF OLD PEOPLE.													
Old age	4	-	2	1	4	2	-	-	1	1	-	2	17
Violent Deaths.													
Accident	1	-	1	2	4	-	-	3	-	-	-	-	11
Fracture of skull	-	-	-	-	-	1	-	-	-	-	-	-	1
Railroad	1	-	-	-	-	-	-	-	1	-	-	-	2
SUICIDE	1	-	-	-	1	-	-	-	1	-	-	1	4
UNKNOWN	-	-	-	-	-	-	1	-	-	-	-	-	1
Total	63	43	50	51	49	34	60	49	43	34	34	38	548
Still-born	1	1	-	3	1	1	4	4	4	1	2	2	24

Population (by census) 29,992
 Death-rate per thousand 18.43

DISEASES DANGEROUS TO PUBLIC HEALTH.

SCARLET-FEVER. — There were 226 cases of this disease reported to our board during the year, 14 of which proved fatal.

The whole epidemic has been of a mild type, and, as was the case last year (1884), no unusual precautions were taken by the board.

We continue the custom of placing cards of warning, with "scarlet-fever here" upon them, on all houses in which the disease exists. We also fumigate after all cases.

DIPHTHERIA. — Only 110 cases of this disease were reported, of which 28 proved fatal.

We are happy to state that nothing of the nature of an epidemic has visited us. Warning cards are used, and houses fumigated, in all cases.

TYPHOID-FEVER. — Forty-one cases were reported, with 11 deaths.

During the latter part of August a case of typhoid-fever occurred in a house just over the city line, in Medford. This house is located in a valley; the land around it, which is used for farming purposes, and on which large quantities of night-soil have been used, slopes toward the house. The house is an old one, with a damp, musty cellar, and a sort of shed in which is situated the well used for cooking and drinking purposes. The vault, or rather the hole in the ground used as a vault, is situated on a higher level than this shed, and is only twenty-four feet away from the well. This well is practically in the centre of this whole slope, and must necessarily catch all the filth from it.

The family living in this house at the time of the outbreak of the sickness consisted of three persons; namely, father, mother, and daughter. All of them took the disease, the mother's case proving fatal. The man who worked for this family, and who drank the water from this well, lived in one of four small houses located near this first one. These houses were close together, and have one common vault. This man was sick some time before calling a doctor, and all of this time used the common vault.

There was another case in this house, one in the next, three in the third, and one in the fourth.

An analysis of the water from the well where the epidemic started (which was kindly made for us by Mr. George H. Cowdin

Number of Family.	Nationality.	Occupation of Head of Family.	Number of Patient.	Sex of Patient.	Age of Patient.	Date of Sickness.	Result.	District.	Soil.	Locality.	House Drainage.	Condition of Cellar.	Privy.	Remarks.
1	American	Lawyer .	1	Male .	—	January .	—	7	Clayey gravel,	Good	Satisfactory	Dry	None; water-closet in bath-room.	
2	Irish .	Contractor .	2	Female,	8	"	—	7	" "	Fair	Waste-pipes not trapped; drains defective	Damp	" " " shed adj. house.	
3	" .	Teamster .	3	" "	1½	"	—	3	Sand	"	Drain-pipe defective; waste-pipe not trapped,	"	10 feet from house; offensive.	
4	American	Shipping clerk,	4	Male .	4	"	—	6	Clay	Low	Drain-pipe and waste-pipe defective .	Damp; hens in cellar .	15 " " " "	
5	Irish .	Laborer .	5	" "	2	"	—	6	" "	"	Drains defective	Not any	18 " " " offensive.	
6	American	Salesman .	6	Female,	2½	"	Fatal .	2	Clayey gravel,	Fair	Waste-pipe not properly trapped	Dry	None; water-closet in cellar, defective.	
7	" .	Clerk .	7	" "	7	"	—	2	" "	Good	Defect in drain-pipe	"	" " " "	
8	" .	" .	8	Male .	5	"	—	7	" "	Fair	Opening in drain-pipe in cellar	" offensive odor in .	" " " "	
			9	Female,	38	February.								
			10	" "	2	"								
9	" .	Book-keeper .	11	Male .	2	January .	—	8	Gravel . . .	"	Drainage defective	Damp	" " " "	
			12	Female,	34	"	—							
10	" .	Salesman .	13	Male .	57	"	—	9	"	"	Waste-pipe not trapped	Dry		
11	" .	Carpenter .	14	Female,	39	"	—	8	Clayey gravel,	"	Drainage not ventilated	Damp	8 feet from house, vault full and offensive.	
12	Irish .	Porter .	15	" "	3½	"	—	6	Gravel . . .	Low	Drainage defective	"	6 " " " "	
13	" .	Laborer .	16	" "	5½	"	—	1	"	"	Waste-pipe not trapped	"	10 " " " offensive.	
14	" .	" .	17	" "	3½	"	Fatal	1	"	"	Drainage defective	"		
15	American	" .	18	Male .	19	February,	—	1	Clayey gravel,	"	Waste-pipe not trapped	Dry	None; water-closet in cellar.	
16	Irish .	" .	19	" "	6	"	—	1	" "	"	Drains defective	Damp, offensive odor .	8 feet from house.	
17	American	Clerk .	20	Female,	11	"	—	7	Gravel . . .	Good	Defective connection of drain and soil-pipe,	Dry	None; water-closet in bath-room.	
18	" .	Porter .	21	Male .	4	"	Fatal	5	"	"	Waste-pipe not trapped	"	8 feet from house; offensive.	
19	" .	Salesman .	22	Female,	9	"	—	9	Clayey gravel,	Fair	Waste-pipes not trapped; drains defective,	Damp	4 " " " "	Cesspool 4 feet from house; offensive.
20	Irish .	Laborer .	23	" "	10	"	—	6	Clay	Low	Drainage defective	"	8 " " " "	
			24	" "	5	"	Fatal.							
			25	Male .	8	"	—							
21	American	Expressman .	26	Female,	6	"	—	5	Gravel . . .	Good	Waste-pipe not trapped	Dry	8 " " " "	In same house as No. 18.
22	" .	Clerk .	27	Male .	3	"	—	10	"	"	Soil-pipe and drain-pipe defective	Damp	None; water-closet in bath-room	Cesspool 10 feet from house; offensive.
23	" .	" .	28	Female,	22	March . . .	—	7	"	"	Soil-pipe not ventilated	Dry	" " " "	Insufficient supply of water to water-closet in bath-room
24	" .	Fireman .	29	" "	10	"	—	2	"	"	Waste-pipe not trapped	Damp	15 feet from house	Stable adjoining house; offensive.
25	" .	Laborer .	30	" "	2	"	Fatal .	7	"	"	Drain-pipe defective	Dry	None; water-closet in cellar.	
26	" .	Clerk .	31	Male .	13	"	—	8	"	Fair	Defects in drain-pipes	Damp	Water-closet in cellar.	Cesspool 18 feet from house; overflowing.
			32	Female,	9	"	—							
27	" .	Packer .	33	Male .	10	"	—	7	"	"	Waste-pipe not trapped	Dry	" "	
			34	" "	4	April								
28	" .	Machinist .	35	" "	5	March . . .	—	5	"	"	Waste and drain pipes defective	Damp	" "	
29	" .	Widow .	36	Female,	19	April . . .	—	4	Sand	"	House drainage not ventilated	Dry	None; water-closet in cellar.	
			37	" "	19	"								
30	" .	Mason .	38	" "	27	"	—	1	Gravel . . .	Low	Drainage defective	Damp	3 feet from house; offensive.	
31	Irish .	Laborer .	39	Male .	8	"	Fatal .	4	Sand	"	Drain-pipes defective	"	6 " " " "	Sewage flowing into cellar.
32	American	Clerk .	40	" "	4	"	—	4	Clayey gravel,	"	Waste-pipes not trapped	"	None; water-closet in cellar.	
33	" .	Salesman .	41	" "	9 mos.	"	—	5	" "	Fair	Waste-pipe not trapped	"	" " " "	
34	" .	Clerk .	42	" "	6	"	—	7	Gravel . . .	Good	House drainage not ventilated	"	" " " bath-room	
35	Irish .	Teamster .	43	" "	8	"	—	8	"	Fair	Drainage defective	Dry	6 feet from house; offensive.	[sive
36	American	Salesman .	44	Female,	7	"	—	5	"	Good	Waste-pipe not trapped	Damp	4 " " " "	Cesspool 12 feet from house, full and offen-
37	" .	Clerk .	45	Male .	2	May	Fatal .	1	"	Low	Drains defective	"	10 " " " "	
38	" .	" .	46	Female,	6	"	—	2	"	Good	Waste-pipe not trapped	"	8 " " " "	Sewage flowing into cellar.
39	" .	" .	47	Male .	10	"	—	10	"	"	Waste-pipe not trapped	Dry	" " " "	House drainage ventilated.
40	Irish .	Laborer .	48	Female,	5	"	—	1	Clayey gravel,	Low	Drain-pipe defective	Not any	6 " " " "	
41	American	Carpenter .	49	" "	5	"	—	2	Gravel . . .	Good	Waste-pipes not trapped	Basement rooms	18 " " " "	
42	Irish .	Laborer .	50	Male .	6	"	—	1	Clay	Low	Drainage defective	"	10 " " " " offensive	
			51	Female,	4	"	—							
43	" .	Laborer .	52	Male .	9	"	—	5	Gravel . . .	Fair	Waste-pipe not trapped	Damp	None; water-closet in cellar.	
44	" .	" .	53	Female,	5	June	Fatal .	1	Clayey gravel,	Low	Drain defective	Not any	4 feet from house; offensive. .	
45	" .	" .	54	Male .	6	"	—	1	" "	"	Waste-pipe not trapped	Dry	18 " " " "	

Number of Family.	Nationality.	Occupation of Head of Family.	Number of Patient.	Sex of Patient.	Age of Patient.	Date of Sickness.	Result.	District.	Soil.	Locality.	House Drainage.	Condition of Cellar.	Privy.	Remarks.
46	American	Clerk	55	Female.	25	June	-	2	Gravel	Good	Drainage not ventilated	Dry	None; water-closet in cellar.	
47	Irish	Laborer	56	Male	8	"	Fatal	1	Clayey gravel,	Fair	Waste-pipe not trapped	Damp	" " "	
48	"	"	57	"	5	"	-	1	"	Low	Waste and drain pipes defective	"	15 feet from house; offensive.	
49	American	Clerk	58	Female,	1	July	-	5	"	Good	Drains defective	"	15 " " " "	Offal and slops thrown in yard.
50	"	"	59	"	7	"	-	8	Gravel	"	Drainage defective	"	10 " " " "	
51	"	Salesman	60	"	38	"	-	3	"	Fair	Waste-pipe defective	Dry	Water-closet in cellar.	
52	"	"	61	Male	16	"	-	2	"	Good	Waste-pipe not trapped	"	None; water-closet in cellar.	
53	Irish	Laborer	62	"	3	August	Fatal	1	"	Low	" " "	Damp	" " "	Sewage flowing into cellar.
54	"	Fireman	63	"	6	"	-	5	"	Fair	Waste-pipe defective	Basement room	12 feet from house.	
55	American	Pedler	64	"	10	"	-	3	"	"	"	Dry	5 " " " offensive.	
56	Irish	Laborer.	65	Female.	5	"	-	6	Clay	Low	Drainage defective	Not any	8 " " " "	Premises filthy.
			66	"	7	Sept'ber.	Fatal							
			67	"	8	"	-							
			68	"	5	"	-							
			69	"	10	"	-							
			70	Male	15	"	-							
57	"	"	71	"	8	"	Fatal	4	Clayey gravel,	Fair	"	Untidy	8 feet from house; offensive.	
			72	Female,	14	"	-							
58	American	Carpenter	73	Male	12	"	-	3	Gravel	"	Drain and waste pipes defective	Untidy and offensive	None; water-closet in cellar.	
			74	"	8	"	-							
			75	Female,	6	"	-							
59	Irish	Storekeeper	76	Male	5	"	-	1	"	"	House drainage not ventilated	Dry	" " "	
			77	"	3	October	Fatal.							
60	"	Laborer	78	"	5	Sept'ber.	-	1	Clayey gravel,	Low	Waste and drain pipes defective	Damp	14 feet from house.	
61	American	Salesman	79	Female,	10	"	-	6	Gravel	Fair	Drainage defective	Basement rooms	10 " " "	
62	"	Restaurant	80	"	4	"	-	5	"	Good	House drainage not ventilated	Dry	None; water-closet in cellar.	
63	Irish	Laborer	81	Male	2	"	Fatal	6	"	Fair	Waste-pipe not trapped	Damp.	"	
64	"	"	82	"	10	October	-	1	"	"	Drainage defective	"	10 feet from house.	
65	American	Carpenter	83	Female,	9	"	-	1	"	Good	Waste-pipes not properly trapped	Dry	None; water-closet in cellar.	
66	Italian	Fruit-pedler	84	Male	7½	Nov'mber,	Fatal	1	"	Fair	Waste-pipe not trapped	Damp	6 feet from house; offensive.	
67	American	Laborer	85	"	7	"	-	1	"	"	" " "	Dry	10 " " "	
68	Irish	"	86	"	8	"	Fatal	1	"	"	" " "	Damp	Water-closet in cellar.	
			87	"	2½	"	"						[cellar.	
69	American	Lawyer.	88	Female,	5	"	-	7	Clayey gravel,	Good	Drainage defective	Dry	None; water-closets in bath-room and	
			89	Male	9	"	-							
70	"	Salesman	90	Female,	16	"	-	5	"	"	House drainage not ventilated	Damp	None; water-closet in bath-room.	
71	Irish	Laborer	91	Male	3	"	Fatal	1	"	Fair	Waste and drain pipes defective	Basement rooms	14 feet from house.	Had both scarlet-fever and diphtheria; included in tables of deaths under scarlet-fever.
72	American	Salesman	92	Female,	8	"	-	5	Gravel	Good	House drainage not ventilated	Dry	None; water-closet in cellar.	
			93	Male	4	"	-							
73	"	Brush manuf.	94	Female,	13	"	-	9	"	"	Defect in drain-pipe in cellar	"	" " "	
74	Italian	Laborer	95	Male	3	"	Fatal	6	Clay	Low	Drainage defective	Damp	10 feet from house.	
75	American	"	96	"	5	"	"	7	Gravel	Good	House drainage defective	Basement rooms	8 " " " offensive.	
			97	"	8	December.	-							
			98	Female,	11	"	Fatal.							
			99	Male	13	"	-							
			100	"	5	"	-							
76	"	Carpenter	101	Female,	8	"	-	5	"	"	Waste and drain pipes defective	Damp	8 " " "	
			102	Male	6	"	-							
77	Irish	Laborer	103	Female,	10	"	Fatal	1	Clayey gravel,	Fair	Drainage defective	Not any	6 " " " offensive	Yard and shed filthy.
78	American	Mason	104	Male	9	"	-	5	Gravel	Good	Waste-pipe not trapped; drain-pipe defective,	Dry	None; water-closet in bath-room.	
79	"	Super'tendent,	105	"	9	"	-	5	"	"	Defect in drain-pipe near water-closet	"	" " " cellar.	
80	"	Mason	106	"	3	"	-	5	"	"	Drain-pipe and waste-pipe defective	"	" " "	
81	"	Clerk	107	"	3	"	Fatal	1	"	Fair	Drainage defective	Damp	" " " offensive.	
			108	"	5	"	-							
82	"	Professor	109	Female,	6	"	-	10	"	Good	Drains defective	Dry	None; water-closet in bath-room.	
83	Irish	Laborer	110	Male	6	February,	-	1	Clayey gravel,	Low	Waste and drain pipes defective	Damp	6 feet from house; offensive.	

of Somerville) showed large quantities of impurities and organic matter ; some of these being in such large quantities as to be easily detected in the water as it came from the well, without evaporation.

The main point of interest in this series of cases is their probable origin and method of transmission.

VARIOLOID. — Only one case of this disease occurred in our city during the past year. This case was important, being one of the same series of cases which proved so disastrous to Montreal.

All precautions possible were taken to prevent the spread of the disease. Immediately after receiving notice of the existence of the disease, the patient was visited, and the house isolated by means of a police-officer night and day. The case terminated favorably, and no other cases resulted from it.

Our board ordered a general vaccination in September ; and in this way, during September and October, 2,233 persons were vaccinated free of expense.

We are free to say that in our judgment Somerville is one of the best protected cities, from this scourge, in the Commonwealth.

TABLES. — The inspector's tabulated report of the sanitary condition of houses where diphtheria was reported is presented herewith ; and we also present tables of scarlet-fever, diphtheria, and typhoid-fever reported, with the deaths from the same, during the year, and of deaths from these diseases in the city during the past nine years.

SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER REPORTED IN 1885.

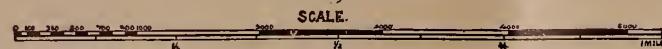
MONTHS.	SCARLET-FEVER.			DIPHTHERIA.			TYPHOID-FEVER.		
	Cases reported.	Number of deaths.	Percentage of deaths.	Cases reported.	Number of deaths.	Percentage of deaths.	Cases reported.	Number of deaths.	Percentage of deaths.
January	32	2	6	15	2	13	6	2	33
February	10	1	10	12	2	17	3	1	33
March	13	1	8	7	1	14	1	-	-
April	21	5	25	11	2	18	2	-	-
May	11	-	-	8	2	25	2	1	50
June	16	1	6	6	2	29	2	-	-
July	10	-	-	3	2	67	2	1	50
August	9	-	-	6	2	33	3	1	33
September	14	1	7	14	3	21	9	3	33
October	30	-	-	3	1	33	4	1	25
November	36	2	6	12	5	42	5	1	20
December	24	1	4	13	4	31	2	-	-
Total	226	14	6	110	28	25	41	11	25

DEATHS FROM SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER IN 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, AND 1885.

MONTHS.	SCARLET-FEVER.								DIPHTHERIA.								TYPHOID-FEVER.										
	1877.	1878.	1879.	1880.	1881.	1882.	1884.	1885.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	
January	4	-	4	2	-	-	2	-	2	4	4	6	7	7	11	2	1	2	2	-	-	-	-	1	2	1	2
February	-	-	1	1	-	1	-	-	1	4	4	4	-	4	5	3	3	1	2	-	-	-	1	-	1	-	
March	1	-	1	1	-	-	1	-	1	9	5	-	-	7	7	3	3	1	-	-	-	-	2	1	-	-	
April	-	1	2	-	-	-	-	5	7	1	1	1	1	2	8	6	1	2	1	2	-	-	1	-	-	-	
May	-	-	-	-	1	-	-	-	8	-	-	-	3	3	5	1	2	2	2	2	-	-	-	1	-	-	
June	-	-	1	1	-	-	1	-	6	1	1	-	-	3	2	3	1	2	2	2	2	-	-	1	-	-	
July	1	-	2	-	-	-	2	-	1	1	2	-	-	2	1	3	2	2	2	1	2	-	1	1	1	1	
August	2	-	-	-	-	1	-	-	3	1	4	-	-	2	1	1	1	2	1	2	-	1	-	1	1	1	
September	-	-	-	2	-	-	1	1	1	4	1	2	-	2	1	1	4	3	-	1	1	1	-	1	1	1	
October	-	3	-	-	-	-	1	-	4	2	5	2	6	1	2	2	1	1	1	-	2	2	1	3	2	3	
November	1	4	3	-	-	-	3	2	5	1	2	1	2	7	1	4	5	-	-	1	1	1	-	-	2	1	
December	1	7	2	-	-	2	-	1	1	8	5	4	8	3	4	5	1	4	2	1	-	1	1	-	1	-	
Total	10	15	16	6	1	4	6	8	14	59	27	29	19	44	52	31	21	28	6	5	3	7	8	8	13	11	

MAP OF SOMERVILLE.

1885.



SHOWING HEALTH DISTRICTS.

1885.



DISTRICTS AND POPULATION.

We present a map, as heretofore, showing the boundaries of the health-districts into which the city was divided by the board of health of 1878, and the locations of dangerous diseases reported during the year.

We also present tables showing the number of deaths in the districts during the past twelve years; the five principal causes of death, the prevalence of dangerous diseases, and the nuisances abated in the same, during the past year; and the rates per thousand of cases of dangerous diseases and deaths therefrom in these districts during the past seven years.

Since the census of 1880 we have assumed that the population has increased, from year to year, at the same rate as the taxable polls; and on this basis we estimated the population in 1884 at 30,468, while the population, by census, in 1885 was only 29,992, and at the same time we know our population increased during the interval.

In making comparisons, therefore, between the rates per thousand of disease and mortality for the two years, this discrepancy must be borne in mind.

TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST TWELVE YEARS, EXCLUSIVE OF DEATHS IN THE McLEAN ASYLUM.

Districts . . .	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.	
	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.		
Area	337 A.		107 A.		93 A.		171 A.		361 A.		285 A.		194 A.		482 A.		174 A.		456 A.		2,660 A.	
Population . .	5,464		5,332		2,067		3,667		5,732		1,266		3,132		932		1,666		734		29,992	
Dwellings . .	843		785		330		579		942		294		515		185		316		158		4,947	
Average in each dwelling . .	6.5		6.8		6.2		6.3		6.1		4.3		6.1		5.0		5.2		4.6		6.1	
Year.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.		
1874	147	37	53	14	24	16	86	33	67	16	34	37	26	11	17	25	18	15	8	475	22	
1875	149	37	84	22	26	17	56	21	75	18	29	32	32	14	13	19	15	12	7	15	486	22
1876	113	30	62	17	17	12	62	24	78	20	23	26	25	12	11	17	25	22	10	20	426	21
1877	126	32	57	15	18	12	57	22	61	15	31	34	29	13	12	18	32	27	5	10	428	20
1878	92	22	50	12	32	21	53	19	53	12	24	25	32	14	15	21	17	14	7	13	375	17
1879	92	22	50	12	29	18	62	22	77	17	14	14	22	9	14	19	16	12	9	16	385	16
1880	104	23	56	13	34	20	55	18	70	15	30	28	32	12	19	24	12	10	11	18	423	17
1881	111	24	64	14	41	23	48	15	62	12	36	32	38	14	18	22	19	13	8	12	445	17
1882	119	24	57	12	42	22	58	17	72	14	32	27	43	15	11	13	17	11	13	19	464	17
1883	138	26	59	12	49	25	60	17	76	14	40	33	51	17	17	19	28	18	9	13	527	18
1884	148	27	55	10	42	20	52	14	69	12	32	25	35	11	14	15	27	16	8	11	482	16
1885	152	28	56	11	40	19	72	20	78	14	31	24	53	17	13	14	25	15	11	15	531	18
Twelve years .	1,491	27	703	13	394	19	721	20	838	15	356	28	418	13	174	19	251	15	101	14	5,447	18

In 1885.

Average in each dwelling . . .

Dwellings . . .

Population . . .

Area . . .

Districts . . .

TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH IN SOMERVILLE IN 1885, WITH THE NUMBER AND RATE IN EACH DISTRICT.

DISTRICTS.	CONSUMPTION.		PNEUMONIA.		HEART DISEASE.		DIPHTHERIA.		MARASMUS.	
	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.
I.	33	6.04	29	5.31	4	0.73	12	2.20	6	1.10
II.	9	1.69	5	0.94	6	1.13	2	0.41	7	1.33
III.	10	4.84	5	2.42	2	0.97	1	0.48	-	-
IV.	9	2.45	10	2.73	2	0.55	4	1.09	6	1.64
V.	15	2.62	15	2.62	4	0.70	1	0.17	2	0.35
VI.	6	4.74	4	3.16	-	-	4	3.16	-	-
VII.	5	1.60	8	2.55	7	2.23	4	1.28	-	-
VIII.	5	5.36	1	1.07	-	-	-	-	-	-
IX.	3	1.80	5	3.00	4	2.40	-	-	-	-
X.	2	2.72	-	-	-	-	-	-	1	1.36
Total	97	3.23	82	2.73	29	0.97	28	0.93	22	0.73

TABLE OF SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER IN EACH DISTRICT IN 1885.

DISTRICTS.	SCARLET-FEVER.				DIPHTHERIA.				TYPHOID-FEVER.			
	Cases reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.
I.	31	2	5.67	0.37	28	12	5.12	2.20	10	3	1.83	0.55
II.	14	1	2.63	0.19	8	2	1.50	0.41	8	1	1.50	0.19
III.	18	2	8.70	0.97	3	1	1.45	0.48	1	-	0.48	-
IV.	35	2	9.54	0.55	6	4	1.64	1.09	5	3	1.36	0.82
V.	40	1	6.98	0.17	17	1	2.97	0.17	1	1	0.17	0.17
VI.	13	-	10.27	-	21	4	16.59	3.16	1	-	0.79	-
VII.	23	5	7.34	1.60	11	4	3.51	1.28	5	2	1.60	0.64
VIII.	7	-	7.51	-	7	-	7.51	-	6	1	6.44	1.07
IX.	38	-	22.81	-	6	-	3.60	-	2	-	1.20	-
X.	7	1	9.55	1.36	3	-	4.09	-	2	-	2.72	-
Total	226	14	7.54	0.47	110	28	3.67	0.93	41	11	1.37	0.37

RATES PER THOUSAND OF POPULATION OF CASES OF SCARLET-FEVER, DIPHtheria, AND TYPHOID-FEVER REPORTED, AND OF DEATHS FROM THE SAME, IN THE LAST SEVEN YEARS.

DISTRICTS.	1879.			1880.			1881.			1882.			1883.			1884.			1885.			Average for Seven Years.		
	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.
I.	7.92 Deaths.	2.33 0.93	1.16 0.23	1.10 0.38	2.42 0.44	3.08 0.44	-	8.75 3.54	9.58 0.42	1.00	7.17 2.79	2.39	1.91 0.38	3.25 0.57	4.98 0.96	11.35 0.55	5.76 1.26	1.26 0.18	5.67 0.37	5.12 2.20	1.83 0.55	4.24 0.37	5.01 1.75	3.44 0.40
II.	8.83 Deaths.	-	0.41	1.35 0.68	6.08 0.45	0.90	2.35 0.21	4.27 0.62	0.42 0.21	-	2.04 0.20	0.80 0.40	3.53 0.20	4.32 0.98	0.98	2.40	1.11 0.37	1.66 0.19	2.63 0.19	1.50 0.41	1.50 0.19	2.91 0.09	3.11 0.47	0.76 0.21
III.	8.63 Deaths.	4.93 1.23	0.61	0.58 0.58	8.72 1.74	0.58	1.65 -	11.01 4.55	2.75 0.55	3.69	7.90 3.16	0.53 0.53	3.04 -	6.58 1.52	1.01	10.90 0.95	4.76 0.48	1.91	8.70 0.97	1.45 0.48	0.48	5.45 0.45	6.36 1.82	1.13 0.15
IV.	7.99 Deaths.	0.69 0.69	0.69	1.64 0.63	2.29 1.05	2.29	0.62 -	6.83 1.86	2.48 0.93	1.78 0.59	3.56 0.59	1.78 0.90	0.29 -	5.42 0.29	1.71 0.57	8.86	2.15 0.27	0.54	9.54 0.55	1.64 1.09	1.36 0.82	4.44 0.26	3.37 0.73	1.54 0.51
V.	6.88 Deaths.	0.67	-	2.93 0.63	3.77 1.05	1.26 0.21	0.99 -	1.98 0.40	0.79 -	1.90 0.38	8.54 2.28	0.95 0.19	2.74 -	7.67 1.46	1.64 0.73	2.58	3.43 0.52	1.20 0.34	6.98 0.17	2.97 0.17	0.17	3.55 0.25	5.05 1.09	0.87 0.25
VI.	5.03 Deaths.	3.02	-	0.95 0.95	5.69 1.90	0.95	-	8.09 2.70	-	1.72 0.83	16.32 7.73	0.86	13.22 0.83	6.61 1.65	3.31 0.83	26.44 1.56	12.44 4.67	-	10.27 -	16.59 3.16	0.79	8.78 0.49	10.14 3.21	0.87 0.12
VII.	6.09 Deaths.	8.91 0.81	0.41	1.53 0.38	5.36 0.38	1.15 0.77	0.73	6.18 0.73	0.36	1.39	7.30 2.08	0.35	3.68 0.67	5.34 1.67	0.33	10.06	3.14 0.31	0.63	7.34 1.60	3.51 1.28	1.60	4.55 0.50	5.55 1.05	0.70 0.30
VIII.	8.19 Deaths.	10.91 4.09	4.09	1.29	3.86	1.29	-	13.41 3.66	2.44	-	10.50 1.17	3.50	3.37	7.86	-	17.95 1.06	3.17	2.11	7.51	6.44	1.07	5.71 0.17	8.06 1.18	2.85 0.84
IX.	4.58 Deaths.	6.87 2.29	0.76	2.88	2.16	0.72	1.37	-	1.37	-	1.31	-	2.51	6.28	0.63	7.09	3.55	1.18	22.81	3.60	1.20	5.26	3.57	0.85
X.	1.74 Deaths.	3.48 3.48	-	3.27	6.55	1.64	-	4.65 1.55	1.55	-	4.45	7.42	-	2.85	-	10.74	-	1.34	9.55	4.09	2.72	4.95	3.66	2.15
City.	7.26 Deaths.	4.79 1.15	0.64	1.72 0.24	4.32 0.76	1.56 0.28	0.95 0.04	5.88 1.71	2.69 0.30	1.42 0.15	6.24 1.89	1.38	2.93 0.21	5.44 1.08	1.88	8.21 0.26	3.64 0.69	1.18	7.54	3.67	1.37	4.32	4.82	1.49
																						0.23	1.16	0.33

NUISANCES ABATED IN EACH DISTRICT IN 1885.

DISTRICT.	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population	5,464	5,332	2,067	3,667	5,732	1,266	3,132	932	1,666	734	29,992
Cellar damp	15	10	3	-	6	3	4	-	2	2	45
Cesspool defective	1	-	-	-	-	-	-	-	-	-	1
“ offensive	1	2	-	-	2	-	-	1	2	-	8
“ overflowing	-	1	-	-	1	1	-	-	-	1	4
Connections of drainage-pipes defective	2	10	4	8	9	3	4	3	2	1	46
Drainage defective	23	10	1	4	9	2	3	8	7	2	69
“ emptying in cellar	6	4	-	3	4	-	4	1	2	1	25
“ emptying on surface	7	3	3	2	2	7	-	8	1	-	33
“ not ventilated	2	4	1	-	2	1	5	3	1	1	20
Drain-pipe clogged	-	-	-	1	-	-	-	-	-	-	1
“ defective	4	14	1	1	8	1	4	2	1	1	37
Hennery offensive	1	1	-	-	1	-	-	-	-	-	3
Hens kept in cellar	1	1	-	1	-	1	-	-	-	-	4
Manure exposed and offensive	5	1	1	2	2	3	1	4	1	-	20
No house-drainage facilities	-	-	-	1	-	-	-	-	-	-	1
Offal on land	13	3	-	1	1	3	1	1	-	-	23
Offensive odor in and about dwellings	5	4	2	4	4	4	1	1	1	-	26
Opening in drain-pipe in cellar, Premises filthy	19	3	1	3	1	2	4	2	6	-	41
Privy-vault defective	-	-	-	-	2	1	-	-	-	-	3
“ full	20	7	-	7	2	11	1	11	-	1	60
“ offensive	31	36	8	23	23	19	5	17	12	1	175
Sink leaking	-	1	-	-	-	-	-	-	-	-	1
Slaughter-house filthy and offensive	-	-	-	-	-	-	-	-	-	1	1
Slops thrown on surface	4	1	-	4	1	2	1	1	-	-	14
Stable and stable-premises filthy and offensive	1	5	1	-	2	3	2	2	-	-	16
Stagnant water in house-cellar	4	3	-	-	3	3	2	-	1	-	16
“ “ in stable-cellar	3	-	-	-	-	-	-	-	1	-	4
“ “ on surface	5	3	5	-	1	4	10	-	3	-	31
Waste-pipe clogged	-	-	-	-	1	-	2	-	-	2	5
“ defective	3	-	-	2	2	-	-	1	-	-	8
“ not trapped	43	33	12	8	21	9	19	9	4	8	166
Water-closet defective	1	2	-	3	1	-	-	-	1	-	8
“ insufficiently supplied with water, not properly ventilated	-	6	1	2	4	2	2	1	1	3	22
“ offensive	-	2	-	-	-	-	-	-	-	-	2
“ offensive	7	11	1	-	9	4	3	2	3	2	42
Well-water polluted by drainage, Wooden waste-pipes and drains,	2	-	-	-	-	-	1	1	-	-	4
Total	229	182	45	80	125	90	81	80	52	27	991

APPROPRIATION FOR HEALTH-DEPARTMENT, AND EXPENDITURES THEREFROM, 1885.

Appropriation	\$3,500 00	
Receipts for permits to keep swine and goats, and to collect grease	271 00	
Credits for sundry bills approved but not called for	3 50	
	<hr/>	
Total credit		\$3,774 50
Expenditures : —		
for inspector's salary	\$976 00	
“ collecting ashes	2,066 79	
“ fumigating : —		
paid Wm. H. Brine, \$24 00	} . 121 28	
P. W. Skinner, 86 00		
for sulphur, 11 28		
“ disinfectants	3 50	
“ oil of peppermint	33 18	
“ vaccine virus	89 80	
“ care of varioloid case	70 00	
“ burying dead animals	58 00	
“ books, stationery, printing, and postage	118 40	
“ abating nuisances	78 98	
“ serving notices in other cities	8 88	
“ carriage-hire	23 00	
“ rent of post-office box	4 00	
“ fumigating-case, etc.	3 25	
	<hr/>	
Total debit		3,655 06
	<hr/>	
Balance unexpended		\$119 44

GEORGE A. KIMBALL.
GEO. C. SKILTON.
THOS. M. DURELL, M.D.

INDEX

TO THE REPORT OF THE BOARD OF HEALTH.

	PAGE
Ashes	192
Cleaning streets	191
Dangerous diseases	196
Death-rate, 1885 (at end of mortality table)	195
Deaths	194
Diphtheria	196
Districts	199
Expenses	204
Goats	191
Grease	191
House-offal	192
Map	198A
Membership	189
Night-soil	192
Nuisances	189
Organization	189
Permits	191
Population	199
Scarlet-fever	196
School-buildings	193
Sewers	193
Stagnant water in streets	191
Swine	191
Typhoid-fever	196
Varioloid	197

TABLES.

	PAGE
Diphtheria in 1885, inspector's report	197A, 197B
Mortality in Somerville, 1885	194
“ rates of, in districts, 1874 to 1885	200
Nuisances abated, 1885	190
“ “ in districts, 1885	203
Principal causes of death, in districts, 1885	201
Scarlet-fever, diphtheria, and typhoid-fever, 1885	198
“ “ “ “ deaths, 1877 to 1885	198
“ “ “ “ in districts, 1885	201
“ “ “ “ “ “ in last 7 years,	202

REPORT
OF THE
CITY PHYSICIAN.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 20, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 20, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

To his Honor the Mayor, and the City Council.

GENTLEMEN, — I respectfully present my fourth annual report as city physician.

I have made during the year 2,404 visits; of these 397 were surgical, and 59 were made to persons at the police-station. I have, in accordance with the law, viewed the bodies, and given certificates of the probable cause of death, of 21 persons who died unattended by any physician. I have examined 15 persons supposed to be insane, and have given certificates in 7 cases. I have vaccinated 2,306 persons free of expense. Forty-one persons had teeth extracted at my office.

I have, in compliance with the city ordinances, examined five applicants for the police force.

Respectfully submitted.

THOS. M. DURELL, M.D.

City Physician.

JAN. 19, 1886.

REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 12, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 12, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

To the City Council of Somerville.

IN rendering their report, the trustees beg leave first to congratulate their fellow-citizens upon the completion and dedication of the new Public Library on Highland Avenue. They desire also to express their thanks to the City Government for their hearty co-operation in bringing about this important event. They also desire to express their personal satisfaction in the increased facilities which have been furnished them in the performance of the important duties of their office, and the fresh impulse which they are calculated to awake.

The erection of the public-library building is the conspicuous event of the year now closing, if not, indeed, an event which may mark an important era in the history of our city. The want that has so long been evident has been freely and generously supplied. In their report of 1884, the trustees gave a detailed description of the building, then in the process of erection; and they have but to add that the important work is now complete, and they are pleased to say that they are now in possession of a building, finely located, richly and appropriately equipped, with appointments far more commodious and elegant than they had dared to anticipate.

DEDICATION.

The ceremony of the dedication of the public-library building occurred on the evening of Sept. 29, at the Unitarian Church on Highland Avenue, at which his Honor the Mayor, Mark F. Burns, presided.

The principal address was delivered by Mr. Justin Winsor, librarian of Harvard College, who was selected as the orator of the occasion. Short addresses were afterwards made by Rev. George

W. Durell, Rev. John S. Thomson, and Hon. George A. Bruce. The exercises were of a most interesting character, and were witnessed by a large and attentive audience, among whom were many prominent citizens of this and neighboring cities.

The address of Mr. Winsor was received with much favor. Aside from its literary merits, it is not too much to say that it contained much interesting information, and throughout furnished instructive and valuable suggestions of a practical character. The author has kindly presented the trustees with a manuscript copy of his address, which is herewith presented as an important supplement to this report.

The distribution of books among the patrons of the library was necessarily suspended from June till September. Several causes contributed to this result. The removal of books from the old to the new quarters, the adjustment and adaptation of the new shelving to the old catalogue, requiring much labor and care, and the many incidental wants which were to be provided, not readily foreseen in the final completion of the building, rendered an earlier time for actual occupancy and work impracticable. According to the last report of the librarian, the whole number of books on hand was 11,863. Additional purchases have since been made by the trustees, increasing the number to 12,134. In making the recent purchases, great care has been exercised to ascertain and supply defects in the various classes, especially relating to standard works. With this view, catalogues of other libraries have been examined, bookstores visited, books and literatures studied, and standard authorities consulted; and the result has been, that valuable acquisitions have been made in history, biography, travels, political economy, geography, fiction, and books of reference. It has also been our purpose to consider the wishes of readers who make their wants known through the librarian or otherwise. At the same time, our purpose has been to maintain a theory sound in principle, upon which the wishes of readers should be met, and keep in mind the true functions of a public library.

It cannot be said that our library is yet complete. The annual process of examination of its condition and wants must still be carried on. Old books must be replaced; new publications are constantly pouring in. A larger reading population must be provided for, and new wants be supplied. Yet the collection may be regarded as a good one, as a whole. In it may be found valuable

works upon almost every variety of topics, and a very few, if any, of a worthless character; and as such we can commend it to the public.

The number of books taken out during the year now closing was 65,450, and the number used in the rooms, 642. This shows a less number than 1884, when it appeared to have been 72,591. This can be accounted for by the suspension of issuing books from June till September, consequent on the transfer of the books from the old to the new building.

Of the books taken out the percentage is as follows:—

Fiction, including juvenile	. . . . .	70
Essays and periodicals	. . . . .	14
History and travels	. . . . .	10
Biography	. . . . .	4
Science and poetry	. . . . .	2

It is noticeable that here, as with public libraries generally, fiction constitutes the bulk of literature sought for by readers. Much has been and may be written upon this tendency, and the question is by no means easily settled. The fact cannot, however, be ignored, that the demand has become quite universal, and is to be treated as a problem to be solved by experience; and this board can only promise to deal with the matter as best they may, with a view to the best practicable solution. With the incipient formation of taste for reading, the trustees can have but little to do. Parents and teachers must here take a part in the work, and exert their influence in accordance with the views they may hold.

The trustees, in entering upon the work of their offices for the coming year, feel it incumbent on them to make their annual appeal for the means by which the institution under their charge is to be maintained. Thus far our library has been supported mainly by the public treasury. Donations have been rare and small. While other cities and towns in the Commonwealth have been favored in their public bequests, our main and almost sole reliance has been the appropriations of the city council.

There are obvious causes which conduce to this condition of things. We are comparatively a new municipality, with a new and somewhat shifting population. The interest which a long and continuous residence tends to create is here notably wanting. If our city were more isolated, and less suburban, the interest of its

people would undoubtedly be more concentrated, and its pride more local. The greater part of its citizens make the city little more than a sleeping-place, and expend the energies of their waking hours in the limits of the neighboring city. It has often been said that Somerville does not abound in men of wealth. We may not be conspicuous in that respect, yet it is certain that we have a large and rapidly increasing population, who exhibit no small degree of thrift and an increasing public spirit; and evidence is not wanting in particular instances showing an awakening interest in this department.

Let us hope that the erection of the public library may mark an era in its history, when the interest already awakened may culminate in some substantial contribution. The expenses for the ensuing year will necessarily be some larger than heretofore. The care and heating of the building will be the main causes; naturally, however, it will be felt, that, with the increased facilities which have been furnished to render this department serviceable to the public, the wants of the library in respect to its literature must also be carefully provided for.

The trustees have entire confidence that the citizens of Somerville are both willing and able to provide abundant means to make our public library worthy of the cause for which it was established. And they will deem it their duty and pleasure to apply the means which may be placed at their disposal in such a way as to render the charge imposed upon them useful in its administration and salutary in its influence.

CHAS. S. LINCOLN,

Chairman,

WM. H. BRINE,

J. H. FLITNER,

GEO. A. BRUCE,

JAMES E. WHITAKER,

WM. E. WELD,

SANFORD HANSCOM,

CHRISTOPHER E. RYMES,

CHAS. G. POPE,

Trustees.

LIBRARIAN'S REPORT.

WE have delivered, during the past year, 65,450 books for home use; and for study in the building 642 have been used.

The books were called in by the middle of June, preparatory to removal to the new building, and none issued until September. The largest number given out in any month was 7,740, delivered in March; and the largest on any one day was 666, on March 14.

The per cent of circulation, as in all libraries, is largest for fiction. Essays (including drama) and periodicals come next; history and travel next; with poetry, science, and the industrial arts less.

The last year's work may be regarded as the most important in the history of our library, as we now have a beautiful and convenient building for library purposes. The universal satisfaction expressed in our new building, and the favorable comparisons between it and some of more costly appointments, seem to show the wisdom of those who have projected and carried out the important undertaking.

We were unavoidably hurried into our new building before it was quite ready for us, and consequently there was unexpected delay in delivering books again. This being the first time for the twelve years of its existence that the library had been closed for more than a day or two at a time, people did not know how to accommodate themselves to such a state of things; and the remark was universal, "How did we ever get along before there was a public library?"

We take great pleasure in assisting those who constantly come to us for information on special subjects, and only ask a due amount of time to cull from our limited resources the wished-for knowledge.

The work of a librarian is so various that we are not surprised at any question or inquiry (we have even been consulted as to the rights of tenants); and though often quite uncertain whether our search will be rewarded with success, we are sure to find something

else quite as good, which will be useful in another direction. Here, especially, one finds memory an indispensable auxiliary, while the ability to think quickly is particularly desirable.

The schools depend more and more upon our reference books to accomplish their work; and, while our high school is constantly using our library as if it were an "annex" to their own building, we find the younger students of the grammar schools, encouraged by their teachers, looking up biography in cyclopædias and gazetteers. In one instance a class of children of nine years of age were eagerly reading every sketch of the life of Longfellow that we could furnish.

We have in our midst a large number of literary and other societies: these find our books convenient for reference; and while one will want to decide some disputed question by inquiry here, his opponent comes to the same source to verify his statement. Another, after looking in vain for the title of some book in the catalogue, finds, upon inquiry, that he has mistaken the very name of the book he was looking for.

People like that the books they have recommended and asked for should be ready while they are needed, but do not always consider that they must first be selected, and then wait the approval of the board at their next meeting, before they can be entered in the library; and, as this is generally but once in a month, it sometimes looks like delay.

As evidence that the books of the library are carefully handled and appreciated, hardly a fine has been assessed during the year for pencil-marking or other injury. 1,576 postal cards have been written and sent for books overdue during the year, and two are missing. 6,081 books have been covered and repaired, and three given.

A collection of pamphlets, relating to the early history of Somerville, have been sent by friends of the library.

HARRIET A. ADAMS, *Librarian*.

SOMERVILLE, Dec. 21, 1885.

FINANCIAL STATEMENT OF CITY TREASURER.

Balance from 1884	\$25 00
Appropriation	2,500 00
Dog licenses	1,402 04
Fines	150 29
Catalogues	37 17
	<hr/>
	\$4,116 50
Salaries	\$1,298 30
Books	1,742 89
Printing	217 60
Binding	52 36
Covers	20 16
Newspapers	6 00
Stamps	8 80
Insurance	21 60
Furniture	54 00
Gas-fixtures	10 85
Stationery	5 50
Water	1 60
Gas	3 96
Fuel	130 48
Expressing	33 65
Labor	66 50
Incidentals	39 65
	<hr/>
	\$3,713 90
Balance to 1886	402 60
	<hr/>
	\$4,116 50

For the trustees.

C. S. LINCOLN,

President.

BOARD OF TRUSTEES AND OFFICERS OF THE
SOMERVILLE PUBLIC LIBRARY, 1886.

CHARLES S. LINCOLN, *President.*

J. H. FLITNER, *Secretary.*

TRUSTEES.

C. E. RYMES,
W. H. BRINE,
G. A. BRUCE,

W. E. WELD,
C. G. POPE,
S. HANSCOM,

J. E. WHITAKER.

On Building and Grounds. — Messrs. RYMES, HANSCOM, BRUCE.

On Administration. — FLITNER, BRINE, WHITAKER.

Books and Catalogues. — BRUCE, RYMES, POPE.

Finance. — BRINE, WELD, POPE.

Librarian. — H. A. ADAMS.

Assistants. — LIZZIE STEVENS, LOTTIE HOPKINS.

DEDICATORY SERVICES OF SOMERVILLE PUBLIC LIBRARY,
SEPT. 29, 1885.

ORDER OF EXERCISES.

INVOCATION, BY REV. J. W. HAMILTON.

OVERTURE, "PECHÉ MIGNON" *Langey.*
ORCHESTRA.

TRANSFER OF THE KEYS OF THE BUILDING TO THE MAYOR, BY ALDER-
MAN F. R. PERRY, CHAIRMAN OF COMMITTEE ON PUBLIC PROPERTY.

ACCEPTANCE BY HON. MARK F. BURNS, MAYOR, AND TRANSFER TO
THE TRUSTEES OF THE LIBRARY.

ACCEPTANCE BY CHARLES S. LINCOLN, ESQ., PRESIDENT OF THE BOARD
OF TRUSTEES.

SELECTION FROM "CARMEN" *Bizet.*
ORCHESTRA.

ADDRESS BY JUSTIN WINSOR, ESQ., LIBRARIAN OF HARVARD COLLEGE.

POLONAISE *Beiseig.*
ORCHESTRA.

(Violin, clarinet, cornet, and flute solos by Messrs. Whidden, Mason, Casey,
and Johnson.)

REMARKS BY REV. J. S. THOMPSON, REV. G. W. DURELL, HON. GEORGE
A. BRUCE.

MARCH, "PANAMA" *Ritz.*
ORCHESTRA.

MUSIC: Edmands Orchestra.

ADDRESS OF MR. JUSTIN WINSOR,

DELIVERED AT THE DEDICATION OF SOMERVILLE PUBLIC
LIBRARY, SEPT. 29, 1885, AT THE
UNITARIAN CHURCH.

ONE evening in October, 1631. Gov. Winthrop left his house at the Ten Hills for a stroll in the woods. Darkness coming on, he lost his way; and somewhere in the region where your pleasant streets now run, he was glad to find a deserted Indian cabin, near which he spent the night, walking by the fire which he had kindled, and singing psalms to pass away the hours. Whatever of literature was embalmed in those words of the psalmist, floating upon the still air of the midnight two hundred and fifty-four years ago, it is the earliest record which we have of the forms of letters, disputing with the sounds of nature and wild men, possession of the spot where we now are.

Eight or ten years later, the two hundred and sixty works which that butcher's son, John Harvard, had left to found the library of the neighboring university, were carried over your territory, from his home in Charlestown, to the little college at Cambridge. — the first collection of books which might be called a library that your soil, even transiently, ever knew.

It was the day of beginnings throughout New England. There was at Plymouth a small, struggling colony; and on a shelf, half hidden by his breast-plate and his swords, Miles Standish had a few books, conspicuous among which were "Bariffe's Artillery," "Cæsar's Commentaries," and a "History of the World." His neighbor, Elder Brewster, had something more considerable for a library, chiefly made up of polemical treatises, some of which he had doubtless printed himself. when, during his exile in Holland, he had gained his livelihood at the printer's case. I fear we should deem

to-day the books of the Pilgrim soldier more precious, if we had to read them, than the weightier shelves of their religious guide.

Our Puritan Massachusetts governor too, who sang here his psalms, had his books, as we know by the rather dreary list of such which he gave to the young college. Hardly more than one of them would be read to-day, except by an antiquary, — for we find among them the perennial *Livy*, — unless the “*Institutes of Calvin*,” a French Bible, and the “*Life of the Virgin Mary*” might have on some a special claim. In a list of books which belonged to Winthrop’s associate, Thomas Dudley, there is the same forbidding aspect to the modern scholar, unless the “*Vision of Piers Plowman*” attract his archaic sense.

And yet this was a time when the proportion of what are called liberally educated men was probably greater in this vicinity than it has ever been since; for of the forty graduates of Oxford and Cambridge which came to New England before 1639, one-half of them settled in this immediate neighborhood.

Here, then, were the signs, if anywhere on this broad continent, that England and English literature had gained a foothold; for Raleigh’s venture in North Carolina had come to nought, and the spirit which had settled Jamestown has never flourished in letters. To the North the French were threading the Valley of the St. Lawrence, but they were seeking peltries rather than the inspiration which produces a literature. To the far South, indeed, the printing-press was already a century old. Just one hundred years before the New-England Puritans expressed their discontent with the version of the psalms which Winthrop sang, by setting in type at Cambridge what we now speak of as the old Bay Psalm-book, — just a century earlier the Spaniard, in Mexico, had begun the printing of books.

Somebody has said that the world’s song of praise, rising to the skies, solidified in those Gothic cathedrals with which the religious sense spotted the map of Europe during the middle ages. We may call it typical of our later ages in the newer world, that the floating cadence of that midnight psalm, two centuries and a half ago, has hung over New England ever since, and become manifest in the schoolhouse and the library.

It took a long time, however, for the relations of a library to broaden into sympathy with the great mass of the people. In the eighteenth century, Boston and a few other towns acquired a small number of books in their corporate capacities; but the volumes seem to have had no functions except to be lent for special uses under the sanction of the selectmen. In the next century it was the private libraries of the Mathers, Hutchinsons, Princes, and Greens, which, by the liberality of their owners, afforded most of the literary help that was given in Boston; while the few books of the ministers of the country towns granted the same privileges in their neighborhoods. It was before the Revolution, and just as the seething of political passion began to manifest itself, that the first circulating library was established in Boston, as a book-seller's venture. It took a half a century more before an impulse to combine and administer more widely to the needs of reading people, particularly of young men, caused the institution of a class of libraries known as mercantile and apprentices' libraries, some of which still survive in those parts of the country where the later development of the free library has not yet possessed the public mind.

It is now hardly forty years since public sentiment began to ripen to the necessity of supplying free books to a community which had had a free education. There was the instance of one town in Massachusetts, where they began to do it by voluntary taxation, before there was any enabling Act of the legislature to legalize appropriations of money for such purposes. In 1848 the city of Boston received special legislative authority to found a library; and three years later a general law opened the way to all municipalities, at first under restrictions, but in the end leaving all to the wisdom and aspirations of the individual towns.

It was peculiarly a New England, even a Massachusetts, movement, so far as this country was concerned, but almost at the same time it had gathered head in England. Though successful beyond the sea, the movement has never attained the proportions there which it has acquired here in Massachusetts; and in no other part of the Union, not even in the other New-England States, has the system attained the significance which characterized it in Massachusetts. I do not think that, taking the country through, it ever promised so well for the future as now. The system has become specially attractive to private benefactors; it has re-acted upon the higher seminaries of learning, and at no time have colleges and

universities felt so much as now the necessity of making their libraries the centre of their educational system.

It must not be denied that a system of free libraries is not without some evils, as a system of free schools is. — as, indeed, every system of ameliorating humanity is, which has to work on a basis of averages. The college world at this moment is agitated by a question, which has, for its cardinal interest, what is called the elective system. This is nothing more than an attempt to counteract the evil tendencies of averages, — a purpose to let character and ability assert its own, unimpeded by the yoke which the dullards of every class impose. It would indeed be unwise to assert that there may not be great evils in that direction also; but the discussion of such a question may well be omitted here.

It is the elective system, however, as developed in connection with the free library, that has given rise to what is known as the “fiction question,” and other allied doubts, which have qualified the opinions of not a few respecting the advantages of the free-library system. I suspect the question will never be settled. It springs out of the diversities of the human mind, and out of the contrarieties of experience. As long as there are grades of intelligence and education, as long as there are sensitive and obtuse organizations, the wrong book will get into the wrong hands, and what might stimulate in one case will craze in another. There are perennial books in all tongues, which suit all ages and all climes. for they are the exquisite results of an exquisite genius; but the world is not yet old enough to have produced enough of them to constitute even a small library. New ages develop new wants, which pass away with the age itself; but they are as fixed a necessity to the mind of that age as the books that never die. Therefore the library, be it of the people or of the scholar, takes the impress of the passing time, and makes perpetual one question or another of fitness in the choice of books. I much suspect that a library can never be gathered that will make people of one mind as to the quality of its books, and as to the advantages to classes and individuals to be gained by the reading of some of them. There are, of course, partial remedies; but the strength of the best regulation lies in the counsel of parents and teachers. I hope the time is not far distant when instruction in the choice of reading will not be foreign to the purposes of our schools. We look to

education to counteract the evil tendencies of an extended franchise. We need to devise some special educational check to insure that a free range in the choice of books should be wholesome to the individual, and inspiring to the mass.

There is a tendency in our modern life to devote too much time to the magazine or the book which has a current fame. We read criticisms of it in the newspapers; and in society we hear comments upon it, or tattle respecting the author. One regrets to see the enthrallment that these circumstances place upon too many readers. It was one of Emerson's rules, never to read any books but yearlings at least; and this philosophy is at the bottom of the rules of the greater European libraries, which do not make a new book accessible under a year, after which time there are but comparatively few to inquire for it. I suppose of the books published in 1885, we shall find hardly a quarter remembered in a twelve-month. Though the publisher's records are filled with their yearly thousands of titles, it hardly requires a score of years to reduce to a hundred the number of those which the booksellers are ever called upon to supply. Of the books published two centuries ago, there are scarce fifty that would bear reprinting; and of those of the last century, there are hardly more than a hundred and fifty known to others than special students.

It is always a question of vital importance to a library, how far it shall encumber itself with books of which the chance of use is very small, and of which the care and preservation is a charge. With libraries that are large or destined to become large, the question is much simplified. The nation, a great municipality, a dominant university, can seldom afford to neglect the charge of the minutiae of the press, whether they be ephemeral or inane. There is an implied obligation in a great library to meet every expectation. To do this is of course impossible, since it is not probable that the most extensive of modern libraries contains a fifth part of all the productions of the press during the last four hundred years, to say nothing of the earlier manuscripts. The chief librarian of the best equipped library in the world once told me that his collection could not satisfy one investigator in ten, if his research was aiming to be exhaustive.

Nevertheless, the implied obligation to which I refer means that

every great library must use its best opportunities to store up against need every thing that will interest, positively or negatively, any one engaged in the study of human action and human characteristic, and of every department of learning in which the human mind is an agent of acquisition. The truth is, the librarian of a great library has no conception of what will be the next inquiry to which he is subjected; and a large part of the instances in which his personal aid is sought touch material, which, without his peculiar experience, he would have burned up as beyond the possibility of demand.

This question of the care of obscure and ephemeral matter is very properly apart from the interests of the lesser public libraries, but not wholly. The history of every town is dear to its people, and so are the lives and fame of its distinguished citizens. The town that gave birth to the inventor of the cotton-gin or the magnetic telegraph, the sewing-machine or the telephone, is a source whence has issued a power which has moulded a phase of civilization. That town can well afford to be exhaustive in gathering the records illustrative of such indications in its history.

It would doubtless be too much to say that just the matter which kindles our fires, and supplies our paper-mills, is destined to become the great treasures of our libraries in later centuries; but there is a good deal of truth in it nevertheless. The great books are reproduced and can always be found, unless the new age has a revolutionary change of sentiment and taste, to bury them under newer interests; and this is not infrequently the case. It is those books and tracts which are so insignificant in their day of freshness, because we are too near them to discern their relations, that are preserved in obscurity, to become in one time the treasures upon which the binder's skill is exhausted. The commonness which makes us despise them now gives the flavor which makes them representative then.

It is significant that Sir Thomas Bodley, in founding the library at Oxford which now proudly bears his name, counselled against the accession of the waifs and strays of a London season, and particularly of plays. These very tracts that a few pence could have bought then, I have known the custodians of that library in our day to compete for at scores, and even at hundreds, of pounds. The most costly nuggets of our English libraries to-day are the

little play-books of Queen Elizabeth's time, when countless thousands nearly all perished with the reading. The purifiers and collators of our English texts have taught us their value, and perhaps no one more than Macaulay has made manifest the wealth of historic illustration existing in the ephemera of all ages.

In 1846, Panizzi, the great librarian of the British Museum, said, "If a librarian had been guided by critics, he would have burned the early productions of Byron; and had he judged from their first reception, he would have thrown away, as worthless, 'Paradise Lost' and Newton's 'Principia.'" The principal English authority on bibliothecal history and experience, who is now, I am glad to say, preparing a new edition of his "Memoirs of Libraries" (I refer to Mr. Edward Edwards), says, "The trash of one generation becomes the highly prized treasure of another." Such a statement is of course open to limitations, and for a library like yours, hardly I suppose aspiring to be one of the great libraries of the world, the limitations are obvious; but it is to-day the rule of the Bodleian, the British Museum, the great library of Paris, not to name some of the other leading libraries in Europe, as well as in this country, to reject nothing, having long ago learned the folly of discrimination. This omnivorousness is of course expensive; and a policy which may be necessary in a large collection would be simply foolishly extravagant in a small one, unless it be confined to some specialty of local interest.

I think there is no more important purpose of a local library than to preserve its local literature, and the writings of its local authors, as I have already said; and I would extend the provision to those writers who were born within the local precincts. There is no other sure way of preserving such books; for the great libraries, with their enormous field, must of necessity overlook much. The preservation somewhere of all books of a serious purpose, even if that purpose be nothing more than the creation of a healthy pastime, all students, not only of literature, but of the history of manners, will unite in commending.

It was not till after the beginning of the present century, that any public library of England would admit novels to its shelves; and there were few safeguards to insure the preservation of this class of books for the later students of manners and social symp-

toms. What would be known of the manners of England in the last century without Fielding? As little as the twentieth century will know of the nineteenth without Dickens and Thackeray in England, or Howells and James among ourselves. "The time may come," said Thomas Watts of the British Museum, "when future generations will look back to the English novels of our time with as ineffectual emulation as our generation looks on the drama of the Elizabethan age."

The active question, however, of the modern local library is, the kind of influence it shall have on its immediate constituency. There are two main causes to any useful results, — the librarian and the catalogue; for without them the books are a mob, and not an army.

We are told of the confectioner that he does not like his comfits, and of the shoemaker's son that he goes unshod. Some years since, Mr. Winter Jones, the principal librarian of the British Museum, in addressing a body of librarians, said that the librarian who reads is lost. That was his way of saying that it is a librarian's duty to become master of the scope of his library, and not to give himself up to the reading of the comparatively few books which he could deliberately plod through.

The very presence of many books to a susceptible mind is informing, and induces inquisitive and foraging quests. I have often thought, when young persons come to me, that I could tell by their talk if they were accustomed to the surrounding of a considerable collection of books in their own homes. I could see it in the glance of recognition which met allusions, and in the quality of their own responses.

The librarian should be fond, not so much of reading, as of rapid assimilation of what his eye lights upon. You may say, to be a good librarian requires a quick mind, rather than one of that kind which we call slow and sure. Such alertness of mental action adapts itself to the compassing of many books in a short time. He tests a book at once by his familiarity with others of a like character, and places it above, or below, or beside it, in his estimate. His rapidity of glance pierces the preface, the contents-table, the footnotes, the appendixes, the indexes; and a few sentences,

skimmed as he turns the leaves, give him the literary flavor and scope of the book.

Such facility of recognition must of course be supplemented by a knowledge of the ways to approach a subject. He must understand his bibliographical and indexical apparatus. He must know how to get at clues through the indexes of periodicals, and through the references in cyclopædias.

That we have not many librarians equal to such exacting inquiries, as these provisions suppose, is true, and they naturally gravitate to the larger libraries. But the service is steadily improving throughout the country; and our larger institutions are in no small degree sapped by the necessity there is of training their own assistants, to bestow them in the end upon the lesser libraries. It is an evil, which may perhaps be corrected by heeding the advice which a distinguished German gave half a century ago, when he recommended the establishment of schools of librarianship, as we have schools of technology. Such a departure will doubtless, if ever attempted, have the drawbacks which for a while attend all experiments; but, if the fruition is good, we may congratulate ourselves, that our library service will not be in so many instances recruited from spavined physicians, lawyers who have been thrown, and ministers with chronic bronchitis.

The one thing a librarian should dread is a sense of self-satisfaction. When he feels that his batteries are sufficiently charged, and his machinery perfect, he may be pretty sure of having reached the limit of his usefulness. It is said of Thorwaldsen that he was found one day despondent before a newly finished statue.

“What troubles you?” he was asked.

“I feel that my genius is gone, because I am satisfied with this statue, and there is no longing in me for any thing better.”

The old school of librarians is fast becoming extinct. They were satisfied with being the custodians of books: the modern school aim to be dispensers of books. It is not too much to say that we in America were the earliest to give the effect to this intention, however short of fulfilment we come in practice. The younger school of librarians which is growing up in Europe are greatly in sympathy with us, and may sometimes appeal to us for the countenance that traditional views deny them there. I have

a correspondent in Germany, the keeper of a royal collection, who turns hither for encouragement. Another, in Italy, has announced as his own invention a catalogue scheme, likely as he thinks to revolutionize the use of libraries; and, when we read his description, we recognize what we have long known in America as the dictionary system of cataloguing. In England the librarians of the lesser libraries, particularly of the free municipal collections, are advancing rapidly in the same direction.

Next to the librarian in importance, and in some respects his superior in helpfulness, is the modern catalogue; and yet the catalogue is almost never thought of by those who found libraries, nor until within a few years has it entered at all into the plans of those who build them. Even when so considerable a library was built as that of the city of Boston, its constructors assigned all that they thought necessary for a catalogue-room to a half-story space, dim of light, remote of access, and foul of air, which has long since been made a lumber-room, and a poor one at that.

The catalogue question involves too much of technicalities, and there are too many diverse views to be reconciled, to make it a fit subject for discussion on an occasion like this. The simplicity, which serves for a small library, turns gradually into complexity as the collection grows. Even literary men wonder that when a book is acquired in a large library it becomes such a serious matter to make it fully serviceable. Bibliographers often laugh over the record of the discomfiture of Mr. Payne Collier, who undertook to catalogue twenty-five works for the instruction of the staff of the British Museum, and in what he called the "common-sense method," as opposed to Panizzi's ninety-one rules. The result was that Mr. Collier was quite as much chagrined as ever his Shakspeare folio corrector made him. He committed every conceivable mistake, averaging two to a title, all of them such as would have led him astray had he been an investigator in the departments to which the books belonged. The art of cataloguing, when carried to perfection, is not an easy one; and every professional cataloguer will say with Panizzi himself, that, deeply impressed as he is with the difficulties of the case, he is still more deeply impressed with the difficulty of communicating to others a sense of it. Your own library may not yet have reached the size which brings with it

perplexities of this sort, but as you grow you will ; and I cannot better advise any one who desires to know what cataloguing may become than to examine the standard code of rules, as prepared by Mr. Cutter of the Boston Athenæum, and published by the Bureau of Education in Washington, in 1876, for it has been recognized both in this country and in Europe as a fitting outcome of a ripe experience. The contemplation of those rules will no doubt make you feel much as the Scottish Highlanders felt when an English general made their fastnesses traversable : —

“ Had you seen these roads before they were made.
You would hold up your hands and bless Marshall Wade.”

By comparing your conceptions of the art of cataloguing before and after the perusal of Mr. Cutter’s code, you will find yourself much in the same spirit of Keltic wonderment.

There is another thing which a librarian finds it difficult to make clear to others, especially to business people. The men of affairs are accustomed to bulk details as their operations grow ; but in the economy of a library the manipulation of books, and the processes of cataloguing, increase in a larger proportion than the accessions of titles. One of the most experienced officers of the British Museum says, what you may not as yet feel the full force of in a collection like yours, but perhaps you are beginning to feel a part of it, —

“ In the case of a large library,” says Mr. Watts, “ not only must every thing be done more extensively, but many things more minutely. Errors and oversights which are of small consequence in a small catalogue, for instance, are not only more difficult to avoid in a large one, but, when they are not avoided, they are more misleading and more confusing.”

What is true of the catalogue is equally true of the general administration and the cost of maintaining a library. It has been found with a growing library that the increase of expense bears rather a geometrical than an arithmetical relation to the increase of books.

With the rapidly growing library of the neighboring university, and with the aggregate expansions of similar institutions in the adjacent metropolis, availing for all, you may congratulate your-

selves that you have not to confront, in the near future at least, the new requirements which their marvellous growth compels. The novel problem needs unused devices. Library buildings that used to hold a few hundred thousand volumes must be made to hold millions, — as they can be. Library administration which has tried the patience of the public on a small scale must be planned to give even prompter response on a very much larger scale, — as it can be. The infinite abundance of books must have better keys; bibliographies, digests; indexes must shorten labor, and they will.

I am often asked if I am not appalled at the increase of books. It is like the rivalry of the gun and armor. The compensating principle will hold just as good in books and buildings. There may be periods of suspension till the balance is re-adjusted; but the demand in literature will always be in excess of the supply, and the power to administer an infinity of books will come when the infinity itself is reached. We may leave to the architect and the mechanic the outward appliances of shelving and distribution, and the problem on that ground stands in no chance of failure of solution. A more general bibliographical education for the scholars, and development of catalogue systems on the part of librarians, and the rest of the problem is disposed of.

But, while we associate scholarship with libraries, we should not forget that it is not for scholars only libraries are formed, especially in this country.

There is a much-abused word, and a still more abused thought embodied in that word, for which I confess a sympathy, and that is what is called *smattering*, — the agency which is sometimes said to dissipate the mental energies. It is not given to all to be specialists, nor is it well it should be. To attempt to found scholarship, indeed, on smattering, produces charlatanry; but the man who makes no pretensions to scholarship, but is able to join creditably in the general conversation of scholars, turning from the botanist to the physicist, from the historian to the theologian, is necessarily a smatterer. But, unfortunately, the word has acquired a bad reputation. I do not know that we have in the language the term which implies all that I mean, — the cultivated gentleman, accomplished, as we may say, in comparative knowledge; whose learning is re-

ciprocal ; whose mind is a storehouse and not a lumber-room ; who divines truths as the bird in the air sees the worm in the sod ; who is knowing in many things, and an expert in none ; who perceives the anatomy of a subject as the Greeks perceived it in the externals of the human body.

If we could dignify the word “ smatterer,” I would call him such. If a better word, *sciolist*, had not become likewise depraved, I should like that better : for he is the diminutive, not of the scholar, but of all scholarship, knowing as much of many-sided learning as is given to one short life to know ; knowing it, not in an arrogant, foolish, empirical way, but in a fashion which is indicative, circumspect, and appreciative. Nor is this method without the effect of training, different though it be from the training of special study.

It is just in proportion as such men exist in a community, that it is generous in culture, ready in receptivity, earnest in sympathy, elegant in thought. They become the balance wheel in intellectual emergencies ; they are the most perfect development of the intellectual condition : for it must be confessed that specialism is an abnormal characteristic, and specialists, like athletes in their physical condition, pass not the robustest of intellectual lives as they grow old.

Men and women of any calling, addicted to prescribed channels of thought, and constant in one purpose, stand in great danger of developing in an ungainly, unbalanced way, unless they cultivate some foil to their daily tendencies. This external interest may be one subject pursued thoroughly, or many subjects followed attentively, if not deeply. The mind gets its refreshment not merely in rest : it finds it in counterpoise, in parallels, in contrasts.

Somebody says, that, when the log gets dull on the hearth, you turn it for a blaze. If I may in conclusion give the younger of my hearers any advice, it is this, Keep a log on your hearth, and sometimes turn it.

REPORT
OF THE
COMMITTEE ON HIGHWAYS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON HIGHWAYS, Dec. 30, 1885.

To the City Council of Somerville.

THE following is the final report of the committee on highways for the year 1885.

HIGHWAYS ACCOUNT.

CREDIT.

Appropriation	\$32,000 00
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Receipts and Credits :—

For Evergreen-avenue betterment assessments	\$2,797 76
Summit-avenue betterment assessments	1,376 05
labor and materials furnished in 1884, the bills for which remained uncollected Jan. 1, 1885	117 15
rent of dwellings at City Farm	\$136 00
less repairs and water-rates	9 71
	<hr/> 126 29
excess of charges for Holland-street ledge-stone over the cost	1,520 27
excess of charges for crushed stone over the cost	1,051 43
gross earnings of city teams at \$1.50 per day for each horse	\$7,477 88

<i>Amounts carried forward.</i>	\$7,477 88	\$6,988 95	\$32,000 00
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<i>Amounts brought forward,</i>	\$7,477 88	\$6,988 95	\$32,000 00
less cost of maintenance, as hereinafter speci- fied	6,428 72		
	<hr/>	1,049 16	
money approved in pay-roll, but not called for		88	
		<hr/>	8,038 99
Value of materials on hand Jan. 1, 1885	.	.	1,400 60
Value of property on hand Jan. 1, 1885	.	.	9,228 45
			<hr/>
Total credit			\$50,668 04

DEBIT.

Expenditures :—

For construction of Summit Avenue (see cost of laying out, in report of 1884, and better- ments on the credit side of this account) .	\$792 85
laying out and partial construction of Norfolk Street	104 86
widening Bow and Summer Streets at their junc- tion	739 03
partial construction of Glen Street between Oliver and Tufts Streets	176 55
laying out of Cherry Street between Summer Street and Highland Avenue (advertising and recording release)	13 65
laying out of Dartmouth Street (advertising and recording release)	11 85
laying out of Morgan Street (advertising and recording release)	10 05
laying out of Park Avenue (advertising and recording release)	12 45
discontinuance of Little Washington Street (advertising and recording release)	12 45
street-crossings	1,320 28
street-signs	34 02
danger-signs	11 30
	<hr/>
<i>Amount carried forward</i>	\$3,239 34

Amount brought forward \$3,239 34

repairs of streets, necessitated by the laying of
horse-railroad tracks : —

Washington Street, between Boston
line and Medford Street . . . \$2,514 94

Webster Avenue, between Cam-
bridge line and Prospect Street, 289 04

2,803 98

repairs and improvements of streets, and paving
of gutters, in connection with the setting of
edge-stones : —

Central Street, repairs, between
Summer Street and Highland
Avenue \$535 40

Central Street, paving, between
Summer Street and Highland
Avenue 554 25

Dover Street, repairs 381 65

“ “ paving 446 57

Linwood Street, filling and repair-
ing 3,920 40

Linwood Street, paving 1,435 08

Poplar Street, filling and repairs 65 64

“ “ paving 70 10

7,409 09

For ordinary repairs of streets : —

Central Street, between Somerville
Avenue and Summer Street . . . \$393 52

Cross Street, between Broadway
and Webster Street 369 02

Elm Street, between Lexington and
Arlington Railroad and Chapel
Street 599 32

Fitchburg Street 221 08

Gilman Street, near Eglantine
Street 327 64

Grove Street, between Elm Street
and Lexington and Arlington
Railroad 164 11

Amounts carried forward . . . \$2,074 69 \$13,452 41

<i>Amounts brought forward</i>	\$2,074 69	\$13,452 41
Lowell Street, between Medford and Wilton Streets	715 62	
Medford Street, between Broadway and Sycamore Streets, and be- tween School and Marshall Sts.	2,527 92	
Medford Street, between Cam- bridge line and Washington Street	1,992 95	
Mystic Avenue, between Boston line and Union Street	194 14	
Pearl Street, between Cross and Franklin Streets	301 85	
Washington Street, between Union Square and Medford Streets	1,392 63	
general repairs	5,783 12	
	<hr/>	14,982 92
For repairs of stone paving		618 64
“ brick sidewalks		529 91
cost to city of sidewalks, the bricks and edge- stones for which have been furnished by abutters		488 27
clearing and repairing streets after the con- struction of sewers and catch-basins		121 49
removing snow and ice, and care of icy side- walks		870 13
cleaning streets		3,018 37
one-half cost of maintaining Middlesex-ave- nue bridge for the year 1884, the other half being paid by the town of Medford		477 57
setting trees furnished by citizens		47 90
trimming trees		67 73
rebronzing and resetting W.C.T.U. drinking- fountain in Union Square		34 00
part cost of retaining wall, Crescent Street, the other part being paid by the abutter		75 00
tax on Waltham gravel-land	\$128 35	
less received for pasturage	120 00	
	<hr/>	8 35
<i>Amount carried forward</i>		\$34,792 69

<i>Amount brought forward</i>	\$34,792 69
tax on Wakefield gravel-land	\$26 94
less received for gravel	16 00
	<hr/>
	10 94
tax on Winchester gravel-land	8 55
repairing tools	178 72
salary of superintendent	1,500 00
board of superintendent's horses	417 17
rent of superintendent's telephone	42 60
books, stationery, and printing	36 00
sundry small expenses	40 23
private work, the bills for which remain uncollected	117 73
Value of tools, etc., Jan. 1, 1885	\$384 75
added during the year	340 67
	<hr/>
Total	\$725 42
value of same, Dec. 31, 1885	372 21
	<hr/>
Depreciation	353 21
Value of materials on hand, Dec. 31, 1885	1,026 52
Value of personal property on hand, Dec. 31, 1885 : —	
horses	\$4,600 00
carts and implements used with horses,	2,124 50
harnesses and horse-clothing	506 75
stable utensils and property	192 50
stone-crusher, engine, and fittings	1,261 45
tools, tool-house, and tool-chests	372 21
	<hr/>
	9,057 41
	<hr/>
Total debit	\$47,581 77
	<hr/>
Balance unexpended	<u>\$3,086 27</u>

The earnings and expenses of the city teams have been as follows :—

Earnings at \$1.50 per day for each horse	\$7,447 88
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Expenses : —

For grain and feed	\$1,731 90
hay and straw	754 02

<i>Amount carried forward</i>	<u>\$2,485 92</u>
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<i>Amount brought forward</i>	\$2,485 92
shoeing	455 78
doctoring and medicine	99 15
repairs of carts and implements used with horses,					250 99
" harnesses and horse-clothing	.	.	.		192 45
stable expenses (including pay of stableman)					
and repairs of stable	.	.	.	.	975 81
Value of carts and implements used with horses, Jan.					
1, 1885	.	.	.	.	\$2,191 00
added during the year	.	.	.	.	\$641 00
less old carts sold	.	.	.	.	35 00
					<u>606 00</u>
Total	.	.	.	.	\$2,797 00
value of same, Dec. 31, 1885	.	.	.	.	<u>2,124 50</u>
Depreciation (including driving-wagon,					
burnt in repair-shop)	.	.	.	.	672 50
Value of harnesses and horse-clothing, Jan.					
1, 1885	.	.	.	.	\$643 00
added during the year	.	.	.	.	165 87
Total	.	.	.	.	\$808 87
value of same, Dec. 31, 1885	.	.	.	.	<u>506 75</u>
Depreciation	.	.	.	.	302 12
Value of horses (18), Jan. 1, 1885	.	.	.	.	\$4,225 00
bought three for	.	.	.	.	\$1,000 00
bought two for two old					
horses and	.	.	.	.	375 00
					<u>\$1,375 00</u>
less one sold	.	.	.	.	100 00
					<u>1,275 00</u>
Total	.	.	.	.	\$5,500 00
Value of horses (19) Dec. 31, 1885	.	.	.	.	<u>4,600 00</u>
Depreciation (including one horse that					
died)	.	.	.	.	900 00
Value of stable utensils and property					
Jan. 1, 1885	.	.	.	.	\$172 65
<i>Amounts carried forward</i>	.	.	.	.	<u>\$172 65</u>
					<u>\$6,334 72</u>

<i>Amounts brought forward</i>	.	.	\$172 65	\$6,334 72
added during the year	.	.	83 85	
			<hr/>	
Total	.	.	\$256 50	
value of same Dec. 31. 1885	.	.	192 50	
			<hr/>	
Depreciation	.	.	.	64 00
				<hr/>
Total expenses of city teams	.	.	.	\$6,398 72
				<hr/>
Excess of earnings, as hereinbefore stated under the heading of "Receipts and Credits"	.	.	.	\$1,049 16
				<hr/>

The charges for crushed stone, and the cost of the same, have been as follows : —

Charges : —

For 8,616 loads used (price at crusher, \$1.00 per load)	.	.	.	.	.	.	\$8,616 00
600 loads on hand, Dec. 31, 1885, at \$1.00	.						600 00
							<hr/>
Total of charges	.	.	.	.	.	.	\$9,216 00
							<hr/>

Cost : —

For 508 loads of crushed stone on hand Jan. 1. 1885, at \$1.00	.	.	.	.	.	.	\$508 00
8,904 loads of field and ledge stone delivered at crusher, at 60 cents	.	.	.	.	.	.	5,342 40
50 loads of stone from gravel pit, at 40 cents	.						20 00
labor and teaming at crusher, including pay of engineer	.	.	.	.	.	.	1,428 00
repairs of crusher and engine, and a new horse- shed	.	.	.	.	.	.	178 96
asbestos covering on boiler	.	.	.	.	.	.	48 00
fuel	.	.	.	.	.	.	244 04
water	.	.	.	.	.	.	28 57
boiler-insurance	.	.	.	.	.	.	15 00

Value of crusher, engine, and fittings Jan.

1, 1885	.	.	.	.	.	\$1,612 05	
						<hr/>	
<i>Amounts carried forward</i>	.	.	.	.	.	\$1,612 05	\$7,812 97
						<hr/>	

<i>Amounts brought forward</i>	.	.	\$1,612 05	\$7,812 97
added during the year	.	.	1 00	
Total	.	.	\$1,613 05	
Value of same Dec. 31, 1885	.	.	1,261 45	
Depreciation	.	.		351 60
Total cost	.	.		\$8,164 57
Excess of charges over cost, as herein- before stated	.	.		\$1,051 43

The charges for Holland-street ledge-stone, and the cost of the same, have been as follows:—

Charges:—

For 8,477 loads delivered at crusher, at 60 cents	.	.	.	\$5,086 20
1,310 loads of ballast for streets, price at ledge 20 cents	.	.	.	262 00
Total of charges	.	.	.	\$5,348 20

Cost:—

For labor and teaming	.	.	\$3,531 04	
powder and fuse	.	.	296 89	
Total cost	.	.		3,827 93
Excess of charges over cost, as herein- before stated	.	.		\$1,520 27

In addition to the above, labor and materials have been furnished, and the treasurer has received payment for the same, as follows:—

To private parties, constructing driveways and sidewalks, hay, filling, etc.	.	.	.	\$316 88
Board of health, collecting ashes to April 29	.	.	.	1,016 79
Committee on fire-department, driver and horses for relief-steamer	.	.	.	17 25
Committee on public property, driveway, etc., at library	.	.	.	48 11
<i>Amount carried forward</i>	.	.	.	\$1,399 03

<i>Amount brought forward.</i>	\$1,399 03
Committee on public property, work at school-houses	6 63
Committee on water, teaming carts to and from repair-shop	2 46
water board, crushed stone	3 00
Total	<u>\$1,411 12</u>

SIDEWALKS ACCOUNT.

CREDIT.

Appropriation	\$3,000 00
less transfer to Central-hill improvement account	600 00
Net credit	<u>\$2,400 00</u>

DEBIT.

Expenditures : —

For Central Street (brick) sidewalk	\$1,070 66
Dover Street (gravel) sidewalk	580 98
Linwood Street (gravel) sidewalks	2,548 22

Total cost of sidewalks	\$4,199 86
less assessments	2,099 93
Net cost to city	<u>\$2,099 93</u>

advertising notices of hearings for sidewalks in Spring Street and Morrison Street	\$20 40
advertising for proposals for edge-stones	10 00
	<u>\$30 40</u>

<i>Amounts carried forward,</i>	<u>\$30 40</u>	<u>\$2,099 93</u>	<u>\$2,400 00</u>
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<i>Amounts brought forward,</i>	\$30 40	\$2,099 93	\$2,400 00
less cost of advertising Linwood and Dover Streets sidewalks, paid in 1884, \$25.20; and two 3-foot corners from high- ways account, \$4.66 .	29 86		
		0 54	
Net expenditures			2,100 47
Balance unexpended			\$299 53

BROADWAY-PARK MAINTENANCE ACCOUNT.

CREDIT.

Appropriation	\$1,500 00	
Receipts, for hay sold	6 15	
Value of property (tools, etc.) on hand Jan. 1, 1885	244 00	
Total credit		\$1,750 15

DEBIT.

Expenditures : —

For labor and teaming	\$1,016 45	
manure	105 00	
gravel	35 00	
trees and seed	16 75	
oil	4 55	
repairing tools and property	22 19	
Value of property on hand Dec. 31, 1885 (including purchases during the year, \$57.07)	269 47	
Depreciation in value of property	31 60	
Total debit		1,501 01
Balance unexpended		\$249 14

CENTRAL-HILL IMPROVEMENT ACCOUNT.

CREDIT.

Appropriation	\$1,000 00	
Transfer from sidewalks account	600 00	
Credit from highways account for stone sent to crusher	58 20	
	<hr/>	
Total credit		\$1,658 20

DEBIT.

Expenditures on fort : —

For excavating, quarrying and teaming

stone, and building wall	\$547 26	
cement and sand	74 75	
granite-work	449 26	
iron-work and hardware	200 96	
lumber	9 23	
repairing and sharpening tools	8 50	
oil and can	1 00	
transportation of gun-carriages from Plymouth to Watertown	50 00	
teaming gun-carriages from Water- town, and mounting gun and team- ing tent for observance of the day of Gen. Grant's funeral	82 00	
mounting carriages and guns on fort, .	130 00	
Total debit		1,552 96
	<hr/>	
Balance unexpended		\$105 24
		<hr/>

NEW STREETS, STREET WIDENING, AND SIDEWALKS.

Five streets have been laid out during the year, to wit : —

Cherry Street, from Summer Street to Highland Avenue ;
Dartmouth Street, from Broadway to Evergreen Avenue ;
Morgan Street, from Beacon Street to Park Street ;
Norfolk Street, from Webster Avenue to Cambridge line ; and
Park Avenue, from Elm Street to Wallace Street.

Norfolk Street has been partially graded, but no work has been done upon either of the others.

Little Washington Street, from Central Street easterly, has been discontinued.

Glen Street, from Oliver Street to Tufts Street, which was laid out last year, has been graded and prepared for macadamizing.

Summit Avenue, which was also laid out last year under the betterment law, from Walnut Street to Vinal Avenue, has been constructed, and the betterments have been assessed. Its total cost, including land, etc., paid for last year, is \$1,909.85; betterments assessed, \$1,376.05; net cost to city, \$533.80.

Betterments have also been assessed for the extension of Evergreen Avenue from Thurston Street to Sycamore Street, which was laid out and constructed last year. The cost was \$5,046.59; betterments assessed, \$2,797.76; net cost to city, \$2,248.83.

Bow and Summer Streets have been widened at their junction on the northerly side.

Sidewalks have been constructed as stated in the accompanying tables, and gutters have been paved wherever edge-stones have been set.

CENTRAL-HILL IMPROVEMENT.

The masonry of the fort on Central Hill has been completed, except pointing, and the guns have been mounted.

The work yet to be done to complete the fort will consist of grading, sodding, making paths, and the erection of a memorial tablet.

HORSE RAILROADS.

The Middlesex road has laid a second track in Washington Street, from the Boston line to Tufts Street, and moved its track under the Lowell Railroad bridge from the raised siding, upon which it formerly rested, to the middle of the road-bed. We embraced the opportunity, while this work was in progress, to improve the grade of Washington Street, below Tufts Street, and of the part under the Lowell Railroad bridge with the approaches thereto.

We also paved with granite blocks the road-bed under the bridge, and re-macadamized the whole street from Union Square to the Boston line.

The Charles-river Street-railway Company has laid a double track in Webster Avenue, from near Prospect Street to the Cambridge line; and, in connection with this work, the grade of a part of the avenue was raised and the street re-macadamized.

PAVING SOMERVILLE AVENUE.

By an examination of these reports for the past few years, it will appear that the cost of keeping Somerville Avenue in repair is very large; and we have become convinced by experience that it would be true economy to commence paving this thoroughfare at once. We therefore recommend that an annual appropriation of about five thousand dollars be made for that purpose, and that the paving be commenced at the East-Cambridge line, and continued, from year to year, until it be completed to the North-Cambridge line. We think the annual cost of repairs is now more than enough to pay the interest on the cost of paving.

GENERAL.

A large amount of work has been done this year, as will be seen by the accompanying table of streets improved.

The improvement of Linwood Street, which has long been demanded, is finally accomplished. Where the street was low, it has been brought up to grade sixteen; and the entire road-bed has been thoroughly macadamized, the gutters have been paved, and edge-stones have been set throughout the street. The citizens have also shown a commendable pride in improving their estates to conform to the new grade; and, altogether, the work done is highly satisfactory.

The widening of Bow and Summer Streets, on the northerly side at their junction, has been regarded for many years as a much-needed improvement, and its accomplishment has conduced greatly to the comfort and safety of the travelling public.

No particular expense has been caused by storms.

The park on Broadway has been kept in good condition.

Two hundred and eleven trees, furnished by citizens, have been planted in the public streets, at a cost of \$47.90.

When it was the custom of the city to buy field-stone for the crusher, the price paid was sixty cents a load, and the stone de-

livered from the Holland-street ledge was, and has ever since been, charged to the crusher at the same price. During the past year, however, the cost of producing and delivering the ledge-stone has been very much reduced, mainly by using a more effective powder for blasting and by making new and better roadways between the ledge and the crusher. By the foregoing figures it appears that the actual cost of the ledge-stone, delivered at the crusher, was about forty-three cents per load. It will also be seen that the cost of the crushed stone was about eighty-nine cents per load on the basis of sixty cents for ledge-stone, or about seventy-two cents on the basis of the real cost of the ledge-stone. It might be well, another year, to reduce the prices charged for both ledge and crushed stone.

Particulars of the work of the department are given in the following tables:—

STREETS IMPROVED.

NAME.	From	To	Improvement.	Feet.
Central . . .	Somerville Ave. .	Highland Ave. . .	Re-macadamized	2,000
Cross . . .	Broadway . . .	Webster Ave . . .	"	800
Dover . . .	Davis Square . . .	Cambridge Line . . .	"	970
Elm . . .	Arlington Br. R.R.	Chapel	Filled and macadamized	900
Fitchburg . .	Linwood	Lowell Railroad . . .	Macadamized	420
Gilman . . .	Near Eglantine . .	Lowell Railroad . . .	Re-macadamized	400
Grove . . .	Elm	Arlington Br. R.R.	Macadamized	630
Linwood . . .	Somerville Ave. .	Washington	Filled and macadamized	2,100
Lowell . . .	Medford	Wilton	Macadamized	800
Medford . . .	Cambridge Line . .	Washington	Re-macadamized	2,500
" . . .	Marshall	School	"	400
" . . .	Sycamore	Broadway	"	2,500
Mystic Ave. .	Boston Line . . .	Union Street	Filled and macadamized	300
Pearl	Cross	Franklin	Re-macadamized	1,000
Poplar . . .	Maple	Chestnut	Filled	400
Washington .	Boston Line . . .	Union Square	Re-macadamized	4,400
Webster Ave.	Prospect	Cambridge Line . . .	Filled and macadamized	1,000

SIDEWALKS CONSTRUCTED WHERE THE MATERIALS AND LABOR WERE FURNISHED BY THE CITY, AND ONE-HALF OF THE COST WAS ASSESSED UPON ABUTTING ESTATES.

STREET.	From	To	Feet of Edge-stone.	Yards of Brick.
Central, east side . . .	Summer	Highland Avenue . . .	799.1	570.
Dover, "	Davis Square	Cambridge Line	904.9	-
Linwood	Washington	Fitchburg Street	3,978.5	-

SIDEWALKS CONSTRUCTED WHERE EDGE-STONES AND BRICKS WERE
FURNISHED BY THE ABUTTERS.

For	Street.	Feet of Edge-stone.	Yards of Brick.
Charles River Street Rail- way Company . . .	Summer and School,	-	114.1
Edward Coliton . . .	Poplar . . .	54.0	-
R. C. Downer . . .	Adams . . .	-	58.6
Patrick Duran . . .	Poplar . . .	38.5	-
James Galletly . . .	Washington . . .	272.7	-
Herbert E. Hill . . .	Elm . . .	75.0	-
Charles A. Jenks . . .	Benedict . . .	-	131.6
Lord Brothers . . .	Aldersey . . .	-	48.2
Odd Fellows' Building As- sociation . . .	Broadway . . .	-	112.8
B. W. Patten . . .	Austin . . .	-	64.8
J. W. Rand . . .	" . . .	-	33.3
Bridget Reardon . . .	Poplar . . .	55 8	-
Mary Shea . . .	" . . .	60.0	-
Thomas A. Shedd . . .	Benedict . . .	-	29.8
Third Universalist Church,	Elm . . .	73.9	-
Heirs of Nathan Tufts .	Washington . . .	20.6	-

DRIVEWAYS CONSTRUCTED (AT EXPENSE OF ABUTTERS.)

For	Street.
A. L. Burdakin.	Park.
John E. Cayzer.	Putnam.
A. L. Cole.	Everett Avenue.
Edwin S. Cole.	Everett Avenue.
H. G. Collins.	Washington.
David W. Crocker.	Dover.
George P. Hammond.	Vinal Avenue.
George F. Kendall.	Cedar.
Mrs. N. F. Locke.	Springfield.
Public-library building.	Highland Avenue.
J. E. Snow.	Appleton, Ward 4.
D. B. Spaulding.	Springfield.
Albion Towle.	Webster.

DRIVEWAYS RECONSTRUCTED (AT EXPENSE OF ABUTTERS).

For	Street.
Estate of E. E. Cole. William H. Hutchinson. Seth C. Mason.	Perkins. Brook. Florence.

CROSSINGS CONSTRUCTED.

Beacon Street,	at	Forest Street.
Central	" "	Albion "
"	" "	Avon "
"	" "	Berkley "
"	" "	Oxford "
Linwood	" "	London "
"	" "	Poplar "
"	" "	Washington Street.
"	" "	between London and Fitchburg Streets.
Medford	" "	at Lowell Street.
Perkins	" "	Mt. Pleasant Court.
Poplar	" "	Linwood Street (2).
School	" "	Oxford "
"	" "	Summer "
Summer	" "	School "

CULVERTS CONSTRUCTED.

Cameron Avenue,	pipe	.	.	.	.	.	.	.	1
Concord	"	wooden	.	.	.	.	.	.	1
Highland	"	"	.	.	.	.	.	.	1
Middlesex	"	pipe	.	.	.	.	.	.	1
Mystic	"	wooden	.	.	.	.	.	.	1
Willow	"	"	.	.	.	.	.	.	1

DANGER-SIGNS ERECTED.

Belmont Street,	at	Highland Avenue.
"	"	" Summer Street.

Berkley Street at Central Street.

“ “ near estate owned by C. A. Woodberry.

Centre “ at Albion Street.

Chapel “ “ Elm “

Chester Avenue, “ Cross “

Crescent Street, “ Pearl “

“ “ “ Washington Street.

Dartmouth “ “ Evergreen Avenue.

Fremont “ “ Main Street.

Granite “ “ Somerville Avenue.

Joy “ “ Poplar Street.

“ “ “ Washington Street.

Loring “ “ Somerville Avenue.

Maple “ “ Medford Street.

“ “ “ Poplar “

Moore “ “ Holland “

“ “ “ Mead “

“ “ “ Stone Quarry.

Porter “ “ Summer Street, north side.

Trull “ “ Medford “

Willoughby “ “ Central “

Woodbine “ “ Centre “

STREET-SIGNS ERECTED.

Church Street.

Dartmouth Street (2).

Evergreen Avenue.

Jaques Street (2).

Mystic Avenue.

School Street.

Summit Avenue.

Willow Avenue.

EDGE-STONES AND PAVING.

Whole number of lineal feet of edge-stones set (including 723 feet reset), 7,056 ; whole number of square yards of brick paving laid (including 801 yards relaid), 1,965 ; whole number of square yards of stone paving laid (including 376 yards relaid), 3,200.

For the committee.

HIRAM D. SMITH, *Chairman.*

GEO. I. VINCENT, *Clerk.*

REPORT

OF THE

COMMITTEE ON SEWERS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON SEWERS, Dec. 28, 1885.

To the Board of Aldermen of Somerville.

THE following is respectfully submitted as the final report of this committee for the year 1885.

SEWERS ACCOUNT.

CREDIT.

Appropriation \$8,500 00

Receipts and Credits : —

For catch-basin curbs in side-

walks, — received credit

from sidewalks account. \$23 61

fees for entering sewers : —

Line-street sewer . . . 70 00

Elm-street sewer . . . 60 00

Otis-street sewer . . . 50 00

fee for drainage of asylum

buildings into Fitchburg-

street sewer 50 00

253 61

Value of materials on hand Jan. 1, 1885, 228 94

Value of tools and property Jan. 1, 1885, 329 75

Total credit \$9,312 30

DEBIT.

Expenditures : —

For seven sewers, as per ac-

companying table . . \$8,896 51

less assessments . . . 7,521 34

cost to city \$1,375 17

less amounts due contractors in 1886, 390 56

8984 61

For ten catch-basins (average \$64.10) . . . 640 97

five-ninths cost of removing deposit from mouth

of Bridge-street sewer 1,335 16

repairing sewers and drains 47 35

flushing sewers and filling catch-basins with

water 132 63

cleaning sewers 10 75

examining sewers 8 50

repairing catch-basins 401 90

changing lines and grades of catch-basins . 139 19

cleaning catch-basins 1,275 01

clearing mouths of catch-basins 175 41

examining catch-basins 10 00

repairing manholes 42 62

changing lines and grades of manholes . 125 37

cleaning ditches 12 51

inspecting sewers built by abutters in Chapel.

Eglantine, Thurston, and Dartmouth Streets.

Winthrop Avenue, and Mt. Pleasant Court . 147 00

books, stationery, and printing 49 25

repairing tools and property 52 41

sundry small expenses 41 18

abatement of assessment of 1883 88 00

one-half cost of resetting bounds between Cam-

bridge and Somerville (to be paid by Cam-

bridge in 1886) 10 68

balance due Richard Falvey on Shawmut and

Alston Streets sewer, built in 1882 . . . 99 33

balance due contractors on sewers laid in 1884 . 1,495 68

Amount carried forward \$7,325 51

<i>Amount brought forward</i>	\$7,325 51
balance due contractor on catch-basins built in 1884	33 50
bill of Howe & Flint for drain-pipe used in Clyde- street sewer in 1884	104 74
Depreciation in value of materials	57 37
“ “ tools and property	87 47
Value of materials on hand Dec. 31, 1885	241 38
Value of tools and property on hand Dec. 31, 1885 (including purchases during the year. \$47.87),	290 15
Total debit	<u>\$8,140 12</u>
Balance unexpended	\$1,172 18

The only unpaid bills are balances of contracts for the construction of sewers, due in 1886, as follows : —

Favor Charles A. Mongan, for Tennyson-street sewer, due April 13, 1886	\$49 28
Favor Putterill & Killian, for Highland and Wil- low Avenues and Cherry and Fairlee Streets sewer, due April 15, 1886	241 52
Favor Maurice Buttimer, for Greenville and Bos- ton Streets sewer, due May 10, 1886	35 73
Favor Charles A. Mongan, for Hawkins Court, Church Street and Church-street Place sewer, due June 3. 1886	64 03
Total	<u>\$390 56</u>

Work has also been done, for which credit or payment has been received, as follows : —

For the board of health, abating nuisances	\$7 63
Resetting bounds between Cambridge and Som- erville, one-half credited from miscellaneous account (the other half to be paid by the city of Cambridge next year)	10 69
For private citizens	1 50
Total	<u>\$19 82</u>

We present herewith a list of sewers built during the year.

SEWERS BUILT IN 1885.

Street.	From	To	Length in Feet.	Total Cost.	Assess- ment.	Cost to City.
Berkeley . .	End of old sewer,	Central Street . . .	722.3	\$2,203 53	\$1,655 10	\$548 43
Central . . .	Berkeley Street .	Cambria Street . . .	84.4			
Cambria . . .	Central Street . .	End of street . . .	324.5			
Concord Ave.	Wyatt Street . .	Dimick Street . . .	161.1	900 78	888 66	12 12
Dimick . . .	Concord Avenue,	Near Buckingham St.	591.8			
Everett Ave.	End of old sewer,	Near Dana Street . .	148.5	321 08	215 35	105 73
Hawkins Ct. .	" " " "	Church Street . . .	517.3			
Church . . .	Hawkins Ct. . .	Near Somerville Ave.	219.0	1,070 85	1,038 94	31 91
Church-st. Pl.	Church Street . .	End of place . . .	180.5			
Greenville . .	End of old sewer,	Boston Street . . .	136.0	626 08	606 49	19 59
Boston . . .	Greenville St. . .	North-westerly . . .	368.2			
Graves . . .	End of old sewer,	Willow Avenue . . .	84.0	3,081 18	2,455 07	626 11
Willow Ave.]	Graves Street . .	Highland Avenue . .	192.0			
Highland Av.,	Willow Avenue . .	Cherry Street . . .	903.0			
Cherry . . .	Highland Ave. . .	Near Summer Street,	523.0			
Fairlee . . .	Cherry Street . .	End of street . . .	140.5	693 01	661 73	31 28
Tennyson . .	Medford Street . .	Near Forster Street .	480.7			
			5,776.8	\$8,896 51	\$7,521 34	\$1,375 17

For the committee.

S. G. A. TWYECROSS. *Chairman.*
GEO. I. VINCENT, *Clerk.*

REPORT
OF THE
CITY ENGINEER.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 6, 1886.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 27, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

CITY OF SOMERVILLE.

CITY ENGINEER'S OFFICE, Jan. 26, 1886.

To his Honor the Mayor and City Council.

GENTLEMEN, — In accordance with the provision of the city ordinances, in relation to city engineering, I herewith submit my annual report for the year 1885.

SEWERS.

Five thousand seven hundred and seventy-six and eight-tenths feet of sewers were built during the year, of which 2,358.3 feet were of brick, and 3,418.5 feet of pipe. In these sewers were built twenty-four man-holes.

Seventeen hundred and sixty-five and five-tenths feet of pipe sewers have been built by private parties, under the direction of an inspector from this office.

The following table will show the size, length, cost, assessment, etc., of each sewer : —

TABULAR STATEMENT OF SEWERS BUILT IN 1885.

LOCATION.			CONSTRUCTION.					COST.						
Name of Street.	From	To	Built by	Materials.	Size in Inches.	Manholes.	Inlets.	Length in Feet.	Average Cut.	Av. Cost per foot.	Total Cost.	Assess-ment.	Cost to City.	
Berkeley	End of old sewer	Central Street	Maurice Buttimer.	Brick	24X17	1	60	722.3	{	{	{	{	{	
1 Central.	Berkeley Street	Cambria Street	"	"	24X17	2	9	84.4						
2 Cambria	Central Street	North-westerly	"	Akron pipe.	15	1	24	324.5						
3 Chapel	Elm Street	"	Chas. A. Mongan.	"	10	5	12	235.5	{	{	{	{	{	
Concord Ave.	Wyatt Street	Dimick Street	"	Brick	18	1	12	161.1						
Dimick	Concord Avenue	nr. Buckingham St.	"	Akron pipe.	12	2	39	591.8						
3 Dartmouth	Medford Street	North-easterly	"	"	12	10	10	237.5	{	{	{	{	{	
"	Evergreen Avenue,	South-westerly	Maurice Buttimer.	"	10	-	3	68.0						
Eglantine	Gilman Street	North-easterly	"	"	12	1	7	166.5						
4 Everett Ave..	End of old sewer.	Dana Street	Riehard Falvey	"	12	1	7	148.5	{	{	{	{	{	
Hawkins Court,	"	Bow Street	Chas. A. Mongan.	Brick	24X17	2	21	295.5						
"	Bow Street	Church Street	"	Akron pipe.	15	1	12	221.8						
Church	Hawkins Court	Somerville Avenue,	"	"	12	1	14	219.0	{	{	{	{	{	
Church-st. Pl.	Church Street	North-westerly	"	"	10	-	8	180.5						
Greenville	End of old sewer	Boston Street	"	"	12	1	7	136.0						
Boston	Greenville Street	North-westerly	Maurice Buttimer.	"	12	1	22	368.2	{	{	{	{	{	
Graves	End of old Sewer.	Willow Avenue	"	Portland pipe	12	-	15	192.0						
Willow Ave.	Graves Street	Highland Avenue	Putterill & Killian,	Brick	30X20	2	15	92.0						
Highland Ave.	Willow Avenue	Cherry Street	"	"	24X17	3	71	903.0	{	{	{	{	{	
Cherry	Highland Avenue.	Summer Street	"	Portland pipe	12	2	32	523.0						
Fairlee	Cherry Street	North-westerly	"	"	10	-	7	140.5						
Mt. Pleasant	Perkins Street	South-westerly	Dennis Ryan	Akron pipe.	10	-	4	237.0	{	{	{	{	{	
Richdale Ave..	Thurston Street	North-westerly	A. M. Sibley	"	12	-	6	142.8						
5 Thurston	Medford Street	Richdale Avenue	P. Kelly and Sibley	"	12	-	13	322.7						
6 Tennyson.	"	Forster Street	Chas. A. Mongan.	"	12	3	28	480.7	{	{	{	{	{	
Winthrop Ave.	"	Near Broadway	C. F. Palmer	"	6	-	6	355.5						
"	"	"	"	"	"	"	"	5,776.8						
Total length of sewers built by city	"	"	"	"	"	"	"	1,765.5	-	-	\$8,896.51	\$7,521.34	\$1,375.17	
"	"	"	"	"	"	"	"	"	-	-	"	"	"	
1 126 cubic yards of rock.	"	"	"	"	"	"	"	"	"	"	"	"	"	
5 57 cubic yards of rock.	"	"	"	"	"	"	"	"	"	"	"	"	"	
Total length of sewers built by private parties.			4 65.5 cubic yards of rock.					5 35.6 cubic yards of rock.					193,165.0 feet.	
Total length of sewers built by city previous to Jan. 1, 1885			" " "					" " "					3,776.8 "	
" " "			" " "					" " "					198,941.8 feet, or 37.7 miles.	
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CRAGIE-BRIDGE SEWER OUTLET.

At the request of the authorities of the city of Cambridge, our city joined with them in cleaning and dredging at the sewer outlet under Cragie Bridge. A stream of water from a hose was used to force the filth from under the bridge and wharves to convenient places, from which it was removed by the dredger and loaded on scows, which were towed to the lower harbor where it was dumped. The amount removed was 5,300 cubic yards, and the cost to this city was \$1,335.16, which was five-ninths of the whole cost.

PRIVATE DRAINS.

Three hundred and nine permits were issued for laying private drains; 298 for new connections, and 11 for repairs.

CATCH-BASINS.

Five catch-basins were built during the year, at an average cost of \$64.10. The average cost under the contract system the previous year was \$73.

CLEANING SEWERS.

For the past three years the pipe-sewers have been cleaned or flushed annually. The plan adopted was to force through the sewer a wooden ball, two inches less in diameter than the inside diameter of the sewer, the ball being propelled by water from a hose attached to a hydrant; the water passes rapidly under the ball, and removes all the deposit. We find this a cheap and effectual method of cleaning pipe-sewers; the cost is about ten dollars per mile.

SIDEWALKS.

The following table will show the sidewalk improvements during the year:—

Street.	Side.	From	To	Materials.	Approx. length of walk in feet.	Cost.
Central .	East .	Summer Street,	Highland Av.	Brick and edge-stones .	930	\$1,070 66
Dover .	East .	Elm Street . .	Camb'ge Line	Gravel and edge-stones,	970	580 98
Linwood.	Both .	Somerville Av.	Wash'ton St.	" " "	4,060	2,548 22
Total .	. . .	. . . . .	. . . . .	. . . . .	. . .	\$4,199 86

The board of aldermen assessed one-half the cost on the abutters.

STREETS.

The following table will show the streets accepted by the city council during the year : —

STREETS ACCEPTED IN 1885.

Name of Street.	From	To	Width in feet.	Length in feet.
Cherry	Summer Street . . .	Highland Avenue . .	40	549.3
Dartmouth	Evergreen Avenue . .	Broadway	40	685.5
Morgan	Park Street	Beacon Street	40	375.0
Norfolk	Webster Avenue . . .	Cambridge Line . . .	40	283.0
Park Avenue	Elm Street.	Wallace Street	40	467.4

STREET-NUMBERING.

Eleven streets have been numbered during the year, and notices sent to each house.

SURVEY OF THE CITY.

Surveys were completed on the southerly slope of Spring Hill, also in the vicinity of Cragie and Cherry Streets ; and those on the southerly slope of Winter Hill have been advanced.

Surveys have been made of the territory in the vicinity of Wyatt, Dimick, and Line Streets, and on Linwood Street and the streets and courts leading therefrom. The amount expended was three hundred dollars.

WATER-WORKS.

The usual lines and grades have been furnished the superintendent for laying water-mains and setting hydrants ; service-pipes have been located and recorded.

In 1884 the water board voted to make all future extension of the distribution system, and all renewals, with cast-iron pipe instead of the cement and wrought-iron pipe which had been used for this work for nearly twenty years ; this pipe, when removed, was found in bad condition, and frequently the iron was entirely eaten by rust.

Our experience with this pipe is nearly the same as reported from other places ; we find that the life of the pipe is from fifteen to twenty years.

MISCELLANEOUS.

The large number of buildings erected during the year was the cause for more miscellaneous work than usual, which consists in furnishing lines and grades of streets, numbers of houses, etc.

EXPENSES.

The expenses of the department for the year 1885 were as follows : —

Salary of city engineer, including maintenance of a team	\$2,000 00
Salaries of assistants	1,351 95
Salaries of assistants for survey of city	300 00
Repairing instruments, stationery, spikes, tools, fares, etc.	172 02
Total expense of department	<u>\$3,823 97</u>

Respectfully submitted.

GEORGE A. KIMBALL,
City Engineer.

REPORT

OF THE

COMMITTEE ON FIRE-DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FIRE-DEPARTMENT, Dec. 28, 1885.

To the City Council of Somerville.

THE following is the final report of this committee for the year 1885 : —

The manual force of the department remains the same as last year, sixty-one men. The changes made last year in the number of call-men has worked well for the efficiency of the department.

Such repairs and improvements have been made in the buildings and equipment as have been necessary ; and 1.450 feet of hose have been purchased at a cost of \$967.13.

We consider the department small compared with the territory covered. and we would earnestly recommend the next city council to consider the necessity of additional fire-apparatus.

The following is a statement of the receipts and expenses for the year ending Dec. 31, 1885.

FIRE-DEPARTMENT ACCOUNT.

CREDIT.

Appropriation \$22,500 00

Receipts and Credits : —

for articles sold . . . \$103 04

for amounts of bills not
called for, and of over-

charge refunded . . . 9 01

112 05

Total credit (*amount carried forward*) . \$22,612 05

Amount brought forward \$22,612 05

DEBIT.

Expenses : —

For salaries of permanent men	\$8,590 00	
“ “ call-men	4,734 76	
substitute drivers	284 48	
improvement and repairs of apparatus and vehicles	295 96	
improvements and repairs of buildings and furniture, and new furniture,	1,062 28	
maintenance and extension of fire-alarm telegraph, including one new alarm-bell and tower for same erected on the city's land, Somer- ville Avenue, corner Lowell Street, exclusive of the cost of the striker,	1,199 31	
hose and hose-pipes, and repairing same	1,143 26	
new horses	300 00	
grain and feed	428 33	
horseshoeing	194 10	
harnesses, and repairs of same	65 28	
horse medicine and doctoring	49 00	
hay and straw	966 65	
fuel	694 43	
supplies	274 22	
water for hydrants and department buildings	1,533 00	
gas	263 31	
ice	41 00	
insurance	13 37	
washing and ironing	122 69	
maintenance of reservoirs	1 80	
incidentals	281 98	
maintenance of hand fire-extinguishers,	53 85	
Total debit		22,593 06
Balance unexpended		\$18 99

A statement of the condition of the department and the fire-alarm telegraph, and of the losses by fire, with recommendations for the improvement of the department, will be found in the annual report of the chief engineer, which we present herewith, and request to have printed with this report.

It is with great pleasure that we add our appreciation, to that expressed by previous committees on fire-department, of the constant and efficient services of the chief engineer, and the good character and discipline of the men.

We would also call attention to the fact of the rapid increase of buildings in our city, and to the large amount of work required on the fire-alarm telegraph. Our chief has entire charge of the telegraph-apparatus, while in other cities it is generally in care of a special superintendent.

The chief's salary has not been increased for several years, although his duties and responsibilities must of necessity keep pace with the growth of the city and the extension of the telegraph; and we recommend that the next city council carefully consider the matter of raising his salary, as we feel it is not sufficient for the office.

For the committee.

ALBERT M. ROBINSON, *Chairman*.
GEO. I. VINCENT, *Clerk*.

REPORT

OF THE

CHIEF ENGINEER OF FIRE-DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Referred to the next city council, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS [FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

SOMERVILLE, MASS., Dec. 31, 1885.

To the Committee on Fire-Department.

GENTLEMEN, — In compliance with your request, I herewith present to you a report of the operations of the fire-department for the year 1885, the condition of the apparatus and buildings, number of fire-alarms with the causes thereof, loss of property and insurance thereon as near as can be ascertained, and recommendations for strengthening the department.

The number of fire-alarms was 44.

The causes of alarms were as follows : —

Ignition of oily rags	2
Children playing with matches	2
Boiling-over of a pan of grease	2
Incendiary	4
Sparks from locomotive	1
“ “ chimneys on shingled roofs	6
Explosion of rendering tank	1
Burning of rubbish	4
Fire-crackers on roof	1
Fire in Boston	1
Explosion of kerosene-lamp	3
“ “ gas	1
Ignition of tar-kettle	1
Defective flue	1
Curtain in contact with gas-jet	1
Carelessness in lighting lantern	1
Burning of dry grass	2
Kindling-wood near furnace	1
Lamp in contact with clothing	2

Overheated furnace	2
Kindling-wood near stove	1
Hot ashes in wooden barrel	1
Fire in Cambridge	1
False alarm	1
Sparks from rubbish in yard entering window	1
Total	44

The loss was	\$7,590 00
Insurance	53,450 00
Insurance paid	7,278 00
Value of property	78,494 00

APPARATUS.

The apparatus—which consists of one steam fire-engine stationed on Central Hill, a horse hose-carriage at East Somerville, one at Winter Hill, one at West Somerville, and one at Union Square, also a hook-and-ladder truck at Union Square—is the same in number as last year and for several years. There is also, not in service, one steamer, one hook-and-ladder truck, and one hose-carriage, either of which can be used in case of accident or repairs required on the apparatus in regular service.

BUILDINGS.

The buildings used by the department are in good condition, only a small expense for repairs being necessary to make them first-class. During the year a storage-shed has been built at the station of Hose No. 1. The building occupied by Hose No. 2 has been painted, and new heating-apparatus placed therein. New stalls and a new floor have been placed in the steamer-house stable.

HOSE.

There is 6,850 feet of cotton hose in the department, including 1,450 feet purchased this year. There is also 600 feet of leather hose. Six hundred feet of the cotton hose is reliable. The balance of the cotton hose, 850 feet, and the 600 feet of leather hose, are only of sufficient strength to carry a hydrant stream; and, as any of our hose is liable to be connected with a steamer, it is important

that the hose used should be of sufficient strength to withstand the required pressure.

FIRE-ALARM TELEGRAPH.

This important branch of the department has worked well during the year. In no instance has it failed to designate the location of a fire when its service was required.

Fire-alarm signal-boxes should be placed in more frequent positions, that there may not be any delay in giving an alarm. This is a matter of importance, as the reputation of a fire-department for success in extinguishing fires often depends on having plenty of signal-boxes, from which alarms can be promptly given.

Fire-alarm boxes are needed in the following localities: Summer Street, corner of School Street; Dartmouth Street, corner of Evergreen Avenue; Somerville Avenue, near Union Square.

The fire-alarm telegraph was first put in service in this city in June, 1874. Most of the wire and poles have become decayed by exposure, and they are being replaced with new material as fast as our means will admit. Sixteen new poles were set, and three miles of wire run, this year. A new bell-tower has been erected on the city's land on the corner of Somerville Avenue and Lowell Street, and a bell with a fire-alarm striker placed thereon. This is a satisfactory solution of a problem that has engaged the attention of the different committees of this department for many years; namely, how to furnish an alarm both for fire and school purposes in the Spring-hill district. This apparatus will give satisfaction to all.

The multiplicity of telephone and other wires frequently causes interference with our lines, and constant vigilance is required in testing their condition, and promptness in making repairs. While other cities employ men especially to do this work, here it is done principally by the permanent men under the direction of the chief engineer: should the duties of extinguishing fires increase, it would be necessary to employ some person to make the required repairs and keep the alarm in perfect order. The success of the fire-department in extinguishing fires depends upon the faultless working of the fire-alarm.

I again advise that the circuits be made smaller, divided into eight; in which case, should a wire break and the circuit become useless, the close proximity of another circuit would furnish the means to promptly give the alarm.

HYDRANTS.

The number of hydrants in the city, as reported by the superintendent of water-works, is three hundred, one new one having been set this year. New streets have been opened and buildings erected, and water has been furnished for domestic purposes, yet not a drop for the extinguishment of fires. I recommend that the old flush-hydrants be removed and replaced with post-hydrants. New hydrants are required in the following localities ; namely, —

New Church Street.

Thorpe Place.

Hamlet Street.

Summer Street, corner of School Street.

Beacon “ near Charles-river Railroad Stables.

Dover “ near Cambridge “ “

Medford “ corner of Dartmouth Street.

School “ opposite Cummings Schoolhouse.

Tufts “ “ Davis “

Austin “ 200 feet north of Benedict Street.

Austin “ corner of Mystic Avenue.

Broadway, “ “ Dartmouth Street.

Evergreen Avenue, “ “ “ “

I have heretofore recommended that another steam fire-engine be placed in service ; I again renew this recommendation and state the following reasons why this addition to the department is necessary : —

First, The water-pressure on the elevated portions of our city is not sufficient to furnish effective streams in case of fire ;

Second, In case of a large fire which necessitates the use of several hydrants, the water-pressure is so neutralized as to render the streams non-effective ;

Third, Our department should be so equipped, that, when called upon for assistance from our neighbors, we can respond without jeopardizing the property of our own citizens.

The matter of better protection against fire in the Spring-hill district is again called to your attention ; and I again urge that a properly equipped piece of fire-apparatus, drawn by horses, be placed in service in this district.

The buildings furnished to meet the requirements of the rapid growth of our population, while they are comfortable to live in, are not constructed to resist fire; the material generally used being wood, with shingled roofs. If a fire should break out during a high gale of wind in the thickly settled sections of our city, our escape from a disastrous fire would be miraculous. Hydrants cannot be relied upon under such conditions to throw effective streams, and the value of a chemical engine at such a time is beyond computation. The celerity with which one of these engines can be moved from one locality to another, and fires that may have started on shingle roofs extinguished, might be the means of preventing a disastrous conflagration.

The additions made to the fire-department in appliances for extinguishing fires have not been commensurate with the combustible growth of the city. Upon the fire-department rest the insurance and real-estate interests; the unnumbered laboring-class look to it for the preservation of the means by which they earn their livelihood; while the members of every household rely upon it for protection as they close their eyes in sleep. May the financial condition of our city soon be such that our department can be equipped to meet these public requirements!

I extend my most sincere thanks to the chairman and each member of this committee for their cordial co-operation in every thing appertaining to the welfare of the department; and to Mr. George I. Vincent, clerk of assessors and committees, and his assistant, Mr. William P. Mitchell, for their kindness so often evinced in furnishing necessary information, my thanks are cordially tendered.

Respectfully submitted.

JAMES R. HOPKINS,
Chief Engineer.

REPORT

OF THE

COMMITTEE ON PUBLIC PROPERTY.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON PUBLIC PROPERTY, Dec. 30, 1885.

To the City Council of Somerville.

THE following is the final report of the committee on public property for the year ending Dec. 31, 1885.

POLICE-STATION INCIDENTALS ACCOUNT.

CREDIT.

Appropriation	\$1,500 00	
Receipts for rent of halls	401 00	
Total credit		\$1,901 00

DEBIT.

Expenditures:—

For janitor's salary	\$750 00
janitor's substitute in vacation	14 00
gas	260 41
gasoline	115 90
water	16 78
fuel	225 00
insurance	20 00
repairs and improvements of building and furniture	439 23
incidental expenses	23 83

Total debit	1,865 15
Balance unexpended	\$35 85

SCHOOLHOUSE INCIDENTALS ACCOUNT.

CREDIT.

Appropriation	\$6,000 00	
Transfers : —		
From water-loan interest account	\$1,000 00	
From schoolhouse on Tufts Street account	52 00	
	<hr/>	1,052 00
Total credit		<hr/> \$7,052 00

DEBIT.

Expenditures : —		
For repairs and improvements	\$4,291 47	
furniture	911 09	
rent	850 25	
insurance	706 89	
emptying privy-vaults	36 00	
trees	57 00	
carriage-hire	22 00	
copperas for privy-vaults	4 96	
expressing chairs to different schools, record-book	1 00	
salary of superintendent of buildings to March 15	4 50	
	<hr/>	166 67
Total debit		<hr/> 7,051 83
Balance unexpended		<hr/> \$0 17

The expenditures at the different schoolhouses were as follows : —

Advent Chapel.

Rent	\$30 00	
Repairs (or maintenance)	8 25	
	<hr/>	
<i>Amount carried forward</i>		\$38 25

REPORT OF THE COMMITTEE ON PUBLIC PROPERTY. 287

<i>Amount brought forward .</i>	.	.	.	.	.	\$38 25
<i>Beach Street.</i>						
Repairs .	.	.	.	.	.	\$60 11
Furniture .	.	.	.	.	.	6 00
						<hr/> 66 11
<i>Bell.</i>						
Repairs and improvements .	.	.	.	.	.	\$673 31
Furniture .	.	.	.	.	.	35 00
						<hr/> 708 31
<i>Bennett.</i>						
Repairs .	.	.	.	.	.	89 28
<i>Brastow.</i>						
Repairs .	.	.	.	.	.	47 51
<i>Cedar Street.</i>						
Repairs .	.	.	.	.	.	38 73
<i>Clarendon Block.</i>						
Rent .	.	.	.	.	.	\$343 75
Furniture .	.	.	.	.	.	44 00
Repairs .	.	.	.	.	.	13 40
						<hr/> 401 15
<i>Cummings.</i>						
Repairs .	.	.	.	.	.	\$48 19
Insurance .	.	.	.	.	.	24 00
Furniture .	.	.	.	.	.	140 50
						<hr/> 212 69
<i>Davis.</i>						
Repairs .	.	.	.	.	.	\$125 85
Furniture .	.	.	.	.	.	27 50
Insurance .	.	.	.	.	.	30 00
						<hr/> 183 35
<i>Eberle Hall.</i>						
Rent .	.	.	.	.	.	\$25 00
Repairs (or maintenance) .	.	.	.	.	.	9 00
						<hr/> 34 00
<i>Amount carried forward .</i>	.	.	.	.	.	<hr/><hr/>\$1,819 38

Amount brought forward \$1,819 38

Edgerly.

Repairs	\$220 24	
Credit for furniture to new Lincoln School,	43 50	
	<hr/>	176 74

Forster.

Repairs and improvements	\$408 54	
Furniture	45 15	
Insurance	257 89	
	<hr/>	711 58

Franklin.

Repairs	\$193 96	
Furniture	3 00	
Emptying privy-vaults	12 00	
	<hr/>	208 96

Harvard.

Repairs		25 74
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High.

Repairs	\$545 96	
Furniture	540 13	
Insurance	20 00	
	<hr/>	1,106 09

Highland.

Repairs	\$503 35	
Furniture	24 15	
Trees	9 00	
	<hr/>	536 50

Jackson.

Repairs		105 30
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Lincoln.

(Including hired rooms during re-building.)

Rent	\$351 50	
Repairs	68 21	
Furniture	67 40	
Insurance	260 00	
Trees	18 00	
Emptying privy-vaults	8 00	
	<hr/>	773 11

Amount carried forward \$5,463 40

Amount brought forward \$5,463 40

Morse.

Repairs and improvements	\$176 25	
Furniture	6 00	
Trees	30 00	
	<hr/>	212 25

Prescott.

Repairs and improvements	\$490 72	
Furniture	42 36	
Insurance	115 00	
	<hr/>	648 08

Prospect Hill.

Repairs	\$225 86	
Credit for furniture to new Lincoln School,	26 60	
	<hr/>	199 26

Spring Hill.

Repairs		24 95
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Union.

Repairs		25 80
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Tufts Street.

Rent	\$100 00	
Repairs	3 50	
	<hr/>	103 50

Webster.

Repairs	\$159 46	
Emptying privy-vaults	16 00	
	<hr/>	175 46

\$6,852 70

Record-book	4 50
Carriage-hire	22 00
Copperas for vaults	4 96
Expressing chairs to different schools	1 00
Salary of superintendent of public buildings to March 15	166 67

Total as above \$7,051 83

SCHOOLHOUSE ON SCHOOL STREET (CUMMINGS SCHOOL)
ACCOUNT.

CREDIT.

Appropriation : —

Balance unexpended in 1884	\$1,288 88
Appropriated in 1885	1,316 87

Total credit	\$2,605 75
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DEBIT.

Expenditures : —

For building (balance on contract)	\$1,254 53
architect's services (balance)	275 00
hardware (deducted from contract) . . .	.	.	177 06
two Magee furnaces . . . . .	.	.	550 00
two heaters for water-closets . . . . .	.	.	58 47
furniture . . . . .	.	.	133 13
three clocks . . . . .	.	.	24 00
blackboards . . . . .	.	.	38 60
soapstone urinals . . . . .	.	.	10 00
ash-barrels . . . . .	.	.	15 60
running furnaces during construction, . . .	.	.	40 00
putting down and repairing seats and	29 36
desks, teaming, etc.	29 36

Total debit	\$2,605 75
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SCHOOLHOUSE ON TUFTS STREET (DAVIS SCHOOL) ACCOUNT.

CREDIT.

Appropriation : —

Balance unexpended in 1884	\$2,773 11
Appropriated in 1885	1,423 21

Total	\$4,196 32
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Less transfers : —

to schoolhouse incidentals	\$52 00
to City Hall alterations ac-	38 00
count	90 00

Net credit (<i>amount carried forward</i>)	\$4,106 32
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Amount brought forward \$4,106 32

DEBIT.

Expenditures : —

. For building (balance on contract)	. \$2,600 00
architect's services (balance)	. 323 00
two Walker & Pratt furnaces	. 780 00
“ stoves for water-closets	. 61 30
furniture	149 06
three clocks	24 00
blackboards	30 63
ash-barrels	15 60
gong	22 00
running furnaces during construction,	40 00
putting down and repairing seats and	
desks, keys, teaming, etc.	60 73

Total debit \$4,106 32

LINCOLN SCHOOLHOUSE (REBUILDING) ACCOUNT.

CREDIT.

Appropriation	\$12,985 42
less requirement for defi-	
ciency of 1884	518 55
	<u>\$12,466 87</u>

Receipts for old materials sold	19 38
---	-------

Net credit \$12,486 25

DEBIT.

Expenditures : —

For masonry (in addition to expenditure	
in 1884)	\$1,249 35
carpentry	8,880 00
architect's services	591 90
two Magee furnaces	657 81
furniture	643 80
four clocks	24 00
blackboards	70 70
ash-barrels	17 50

<i>Amounts carried forward</i>	\$12,135 06	\$12,486 25
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<i>Amounts brought forward</i>	\$12,135 06	\$12,486 25
bells	22 00	
additional masonry (on drain, etc.),	43 18	
“ carpentry (on walks, seats, etc.)	87 63	
grading	63 13	
concreting	57 60	
granite steps	21 00	
extending water service, teaming, cleaning, etc.	43 75	
Total debit		12,473 35
Balance unexpended		<u>\$12 90</u>

PUBLIC-LIBRARY BUILDING ACCOUNT.

CREDIT.

Appropriation : —

Balance unexpended in 1884, \$2,090 69

Appropriated in 1885 . . 11,000 00

\$13,090 69

Transfer from interest account . . 2,650 00

Total credit \$15,740 69

DEBIT.

Expenditures : —

For masonry (balance of contract) . \$1,259 00

carpentry (balance of contract) . 641 63

heating-apparatus . . . 1,204 40

finishing and furnishing (by contract), 10,026 55

architect's services . . . 576 75

additional carpentering, painting, and

glazing 44 02

additional plumbing . . . 30 08

connecting gas-metre and work on

gas-fixtures 16 05

umbrella-stand, benches for book-

room, and window-shades . . 65 35

Amounts carried forward . \$13,863 83 \$15,740 69

<i>Amounts brought forward</i>	\$13,863 83	\$15,740 69
ash-barrels, hose, ladders, tools, etc.,	57 12	
driveways, grading, sodding, dressing, seeding, and labor on grounds,	828 11	
concreting walks	108 00	
fuel used during construction . . .	130 33	
running boilers and care of building during construction	246 75	
insurance	195 00	
	<hr/>	
Total debit		15,429 14
		<hr/>
Balance unexpended		\$311 55
		<hr/> <hr/>

These figures are exclusive of the cost of the granite curbing on the line of Highland Avenue, and two granite steps, the bill for which is unsettled.

CITY-HALL ALTERATIONS ACCOUNT.

CREDIT.

Appropriation	\$5,000 00	
Transfer from schoolhouse on Tufts Street account	38 00	
	<hr/>	
Total credit		\$5,038 00

DEBIT.

Expenditures:—

For making alterations as per contract,	\$4,529 00	
additional carpentry	166 99	
“ masonry	42 03	
“ painting	44 91	
“ gas-piping	6 28	
moving and resetting radiators . . .	46 33	
plans, specifications, etc.	112 00	
watchman	90 00	
	<hr/>	
Total debit		5,037 54
		<hr/>
Balance unexpended		\$0 46
		<hr/> <hr/>

EXPENDITURES BY THIS COMMITTEE FROM THE APPROPRIATION FOR MISCELLANEOUS ACCOUNT.

For City-hall expenses : —

gas	\$255 58	
fuel	221 60	
water	9 91	
portraits of ex-mayors Furber, Belknap, and Bruce	150 00	
pay of assistant janitor	159 00	
repairs and furniture	1,938 08	
incidentals	231 85	
		\$2,966 02

For voting-list boards and ballot-boxes, and team-

ing same	54 10	
preparing rooms for caucuses and elections	30 75	
rent of rooms for caucuses and elections	154 00	
raising and lowering flagstaffs, and repairing flags and halliards	67 05	
preparing cemetery for Memorial Day	15 00	
cans, lactascope, etc., for inspector of milk	8 95	
pumping water from library cellar	6 12	
dedication of public-library building	162 75	
pay of assistant janitor of public-library building,	67 50	

Total expenditure	\$3,532 24
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SCHOOLHOUSE INCIDENTALS.

No special improvements of any magnitude have been made in any of the schoolhouses this year.

At the Prescott School, double doors have been placed in the partition between the master's room and the one adjoining; so that the two rooms can be used as one if required.

At the Forster School, additional radiators have been placed in the two upper rooms on the north side, and more book-closets have been provided.

At the Bell School, tighteners have been placed on the windows, the teachers' water-closets have been moved, and the drainage generally re-arranged and ventilated in a thorough manner.

At the Morse School, tighteners have been placed on the windows, and the girls' entrance to the yard has been improved by constructing a convenient flight of steps from the sidewalk.

The room in the Cummings School which for a time was vacant has been furnished and occupied, and an additional class has also been accommodated with furniture in the hall of the High School; but the hall has not, as yet, been divided with partitions.

The High, Prescott, Bell, and Highland Schools have also been fitted for evening schools, at a cost of about two hundred dollars.

The foregoing statement of this account is exclusive of furniture which was bought and used temporarily in the hired rooms in the Lincoln district, and afterward placed in the new Lincoln Schoolhouse after its completion; the sum paid for the same having been credited back to schoolhouse incidentals account, and charged to Lincoln Schoolhouse account (rebuilding).

SCHOOLHOUSE ON SCHOOL STREET (CUMMINGS SCHOOL).

This building was completed and occupied early in the year; and the items of the cost, which appear in this and the report of 1884, are condensed as follows:—

Land, 11,300 feet at 21 cents	\$2,373 00
Grading and walks	346 01
Building	11,109 23
Heating-apparatus	608 47
Furniture and utensils (including one room furnished this fall at the ex- pense of schoolhouse incidentals account, \$140.50)	714 16
Insurance	206 50
	<hr/>
Total cost	<u>\$15,357 37</u>

SCHOOLHOUSE ON TUFTS STREET (DAVIS SCHOOL).

This and the Cummings School were finished and occupied at about the same time.

The cost of this building, exclusive of the land, which the city

has owned several years, collected and condensed from the items given in this and the last report, is as follows :—

Grading and walks	\$250 76
Building	11,307 66
Heating-apparatus	841 30
Furniture and utensils	726 99
Insurance	206 50
<hr/>	
Total cost (exclusive of land)	<u>\$13,333 21</u>

LINCOLN SCHOOLHOUSE (REBUILDING).

The rebuilding of this schoolhouse, on the site of the one destroyed by fire in the fall of 1884, was commenced near the close of last year, and finished during last summer's vacation.

The cost may be stated as follows :—

Grading, walks, and granite steps	\$191 73
Building	11,878 05
Heating-apparatus	657 81
Furniture and utensils	744 93
<hr/>	
Total cost (exclusive of land)	<u>\$13,472 52</u>

PUBLIC-LIBRARY BUILDING.

This structure has also been two years in process of erection. It was commenced in the summer of 1884, and given over to the trustees of the library in October of this year.

The following is a brief statement of its cost :—

Grading, walks, and driveways	\$1,552 88
Building, furniture, and utensils	25,231 17
Heating-apparatus	1,204 40
Insurance	350 00
<hr/>	
Total	<u>\$28,338 45</u>

As before stated, this cost is exclusive of the granite curbing in front of the lot, and of two granite steps, a bill for which has been rendered at \$291.25, but remains unsettled.

The cost of the land is not included either, as the building was erected on land which was bought by the town for public purposes many years ago.

CITY-HALL ALTERATIONS.

The removal of the public library to its new building gave the long-desired opportunity of providing suitable apartments and fire-proof vaults for the officers in the city hall; and for a comparatively small sum of money accommodations have been secured which are as good as we should be likely to have even in a new building, and will answer every requirement for a long time to come.

SUPERINTENDENT OF BUILDINGS.

In closing this report, we desire to express our approval of the appointment of a superintendent of public buildings. This officer entered upon his duties on the first day of May of the present year, and has not only been of great assistance to this committee, but, as we believe, has promoted economy by looking carefully after the city's property, and making small repairs where a little neglect might create a necessity for large ones, and by seeing that in all work done on public buildings the city receives a fair equivalent for its money.

For the committee.

FRANKLIN R. PERRY, *Chairman.*
GEO. I. VINCENT, *Clerk.*

REPORT

OF THE

COMMITTEE ON FUEL AND STREET-LIGHTS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 1, 1886.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 1, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

CITY OF SOMERVILLE.

IN COMMITTEE ON FUEL AND STREET-LIGHTS, Dec. 30, 1885.

To the City Council of Somerville.

THE committee on fuel and street-lights submits the following final report for the year 1885.

SCHOOL-FUEL ACCOUNT.

CREDIT.			
Appropriation	.	.	\$5,000 00
DEBIT.			
Expenditures : —			
For fuel to Beech-street School	.	.	\$77 95
Bell	"	.	418 13
Bennett	"	.	170 85
Brastow	"	.	53 60
Cedar-street	"	.	5 75
Clarendon-block School	.	.	36 06
Cummings	"	.	288 75
Davis	"	.	254 55
Edgerly	"	.	495 10
Forster	"	.	552 02
Franklin	"	.	137 48
Harvard	"	.	11 75
High	"	.	387 20
Highland	"	.	591 98
Jackson	"	.	195 30
Lincoln	"	.	239 42
Morse	"	.	259 29
<i>Amounts carried forward</i>		.	\$4,175 18
			\$5,000 00

<i>Amounts brought forward</i>	.	.	\$4,175 18	\$5,000 00
Prescott School	.	.	370 08	
Prospect-hill School	.	.	181 56	
Union	"	.	18 85	
Webster	"	.	203 75	
<hr/>				
Total for fuel	.	.	\$4,949 42	
For advertising for proposals	.	.	15 95	
<hr/>				
Total expenditure	.	.	.	4,965 37
<hr/>				
Balance unexpended	.	.	.	\$34 63
<hr/>				

STREET-LIGHTS ACCOUNT.

CREDIT.

Appropriation	.	.	.	.	\$7,500 00	
Transfer from water-loan interest ac-						
count	.	.	.	.	1,500 00	
Receipts: —						
For new street-lamps erected (16 at						
\$20)	.	.	.	.	320 00	
repairs of street-lamps damaged by						
teams	.	.	.	.	18 26	
<hr/>						
Total credit	.	.	.	.	.	\$9,338 26

DEBIT.

Expenditures: —

For gas, —

to Charlestown Gas Com-						
pany	.	.	.	.	\$2,520 86	
to Cambridge Gas-light						
Company	.	.	.	.	2,980 26	
<hr/>						
					\$5,501 12	

lighting and care of lamps, to Christo-						
pher Burke	.	.	.	.	2,149 41	
new street-lamps	533 01	
repairs of street-lamps	455 26	
<hr/>						

<i>Amounts carried forward</i>	.				\$8,638 80	\$9,338 26
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<i>Amounts brought forward</i>	.	.	\$8,638 80	\$9,338 26
supplies (naphtha, alcohol, etc.)	.		404 91	
incidentals (advertising for proposals, etc.)	.	.	9 90	
street-signs	.	.	39 50	
changing oil-lamps to gas-lamps	.		7 99	
moving street-lamps	.	.	9 45	
				<hr/>
Total expenditure	.	.	.	9,110 55
				<hr/>
Balance unexpended	.	.	.	\$227 71
				<hr/>

FUEL.

Fuel has been purchased as follows : —

From Horatio Wellington & Co., under contract for year ending July 1, 1885, at \$4.93 per ton for furnace and egg coal, and \$5.20 for stove-coal, and at \$8.50 per cord for hard wood, and \$6.00 for soft wood; and from George M. Winslow & Co., under contract for year ending July 1, 1886, at \$4.45 for furnace and egg coal, \$5.15 for stove-coal, \$8.00 for hard wood, and \$7.00 for soft wood.

STREET-LIGHTS.

The street-lamps have been lighted and cleaned by Christopher Burke under two contracts, the first of which was for the year ending Feb. 1, 1885, but was extended to May 1, and was at forty-two cents per month for each lamp; and the second being for the year ending May 1, 1886, at thirty-nine cents per month for each lamp.

The price paid for gas the first six months of the year was \$1.90 per thousand feet. July 1, the Cambridge company reduced to \$1.65; and the Charlestown company reduced to \$1.75 on the 1st of October, and probably will charge no more than the Cambridge company after Jan. 1.

The following is a table of street-lamps, showing the additions this year : —

	GAS-LAMPS.		Naphtha Lamps.	Total.
	Charlestown Gas.	Cambridge Gas.		
Lamps in the city Jan. 1, 1885, as per last report	168	210	65	443
Add for correction in number of oil-lamps,	-	-	4	-
Lamps erected during the year by city	9	6	1	16
" " " " " citizens,	1	-	-	1
Total	178	216	70	464

For every lamp erected by the city, the sum of twenty dollars has first been paid by the petitioners to the city treasurer.

We continued the custom established in September of last year, of lighting until three o'clock instead of twelve o'clock, which was the hour for extinguishing prior to that time; and we have also used the lamps on an average four or five more nights in the month than has been customary in previous years.

We found, however, that our appropriation of \$7,500, with the addition of \$1,500 transferred to the account by the city council, would not be sufficient to sustain this expense throughout the year; and, in consequence, the lamps were extinguished at twelve o'clock in October and November, and at one o'clock in December; but the number of nights was not materially changed.

We increased the number of nights to meet a long-standing and universal demand for more light; and we believe a sufficient sum should be appropriated to light the streets at least as well as they were lighted during the first nine months of this year.

We also recommend that a few lights, of considerably greater brilliancy than those generally used, be placed in the public squares and other centres of travel.

Since the 1st of May we have had the services of the superintendent of buildings and lamps, and thereby the committee has been relieved of very much care, and the condition of the lamps has been greatly improved.

For the committee.

MOSES G. STEELE, *Chairman.*
GEO. I. VINCENT, *Clerk.*

REPORT
OF THE
CITY SOLICITOR.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, March 2, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Set down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, March 2, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

SOMERVILLE, Feb. 25, 1886.

To his Honor the Mayor and the City Council of Somerville.

GENTLEMEN, — I beg leave to present the following as my tenth annual report.

Early in the year, acting under your instructions, I attended, with our committee on legislative matters, the hearing before the committee of the General Court on towns, with reference to the division of the town of Medford, and the incorporation into the new town of certain territory of the city of Somerville; and, as a result of our effort in opposition to the project, the petitioners abandoned that part of their petition directed against our territory.

During the year, the General Court passed an Act (chap. 61 of 1885), under which, soon after, the department of the overseers of our poor was re-organized; and, at the same time, a new ordinance was passed by the city council, with reference to the same department. I have also prepared during the year two other ordinances, one of which relates to the superintendent of public buildings and street-lights, and the other to the pay of the police department. Quite a number of ordinances have been passed by the city council since the printing of the last municipal register in 1882; and it would certainly promote the general convenience if the ordinances since 1882 could be printed in some suitable form.

I have given much time and effort during the year to the Mystic water contract, and have aided the Somerville Mystic Water Board to the extent of my ability in their endeavor to secure such a modification of the terms of the old contract as should commend itself to the board and to the citizens. A contract was prepared satisfactory to our own and to the Boston Water Board; but, for reasons which neither board could remove or control, the contract was not acted upon by the city council of Boston.

I have attended all the sessions of the committee on claims during the year, except when detained by sickness. Twelve claims have been heard by the committee. In five of these the city council voted to take no further action; in five the petitioners were given leave to withdraw; and in the remaining two action has been instituted in the courts. Of these claims, seven were for personal injuries, two related to matters of taxation, and three were for grade damages.

Dec. 31, 1885, there were nine cases upon my calendar to which the city was a party; viz.:—

1. *Somerville vs. Boston and Lowell Railroad*, before the county commissioners of Middlesex County. Petition for bridges across railroad location in Somerville.

2. *Mayor and Aldermen of Somerville vs. Fitchburg Railroad*, before county commissioners of Middlesex County. Petition for grade-crossing of railroad location at Sacramento Street.

3. *Parker vs. Somerville*, before Supreme Judicial Court in Middlesex County. Bill in equity to restrain nuisance alleged to be caused by the city upon Mystic Flats.

4. *Parker vs. Somerville*, before county commissioners of Middlesex County. Damages for injury to real estate by nuisance growing out of sewage.

5. *Squire vs. Somerville*, before Superior Court in Middlesex County. Damages for conversion of box-drain.

6. *Deshon vs. Somerville*, before Superior Court in Middlesex County. Action for personal injuries upon Day Street, Feb. 29, 1884.

7. *Ayer et. al., Trustees, vs. Somerville*, before Supreme Judicial Court in Suffolk County. Petition for writ of certiorari to quash sewer assessments upon Cedar and Morrison Streets.

8. *Shea vs. Somerville*, before Superior Court in Middlesex County. Action for personal injuries upon Russell Street, Oct. 14, 1885.

9. *Rowell vs. Somerville*, before Superior Court in Middlesex County. Action for personal injuries upon Pearl Street, Feb. 12, 1885.

During the year 1885, the following cases have been disposed of:—

1. *Kendall vs. Somerville*, before Superior Court in Middlesex County. Action for personal injuries, Jan. 4, 1884, upon Elm

Street. Trial before jury, April 17, 20, and 21. Verdict for plaintiff, \$1,048.18, and costs, \$59.91; in all, \$1,108.09. Damages claimed, \$4,000.

2. *Stepp vs. Somerville*, before Superior Court in Suffolk County. Action for personal injuries from fall into sewer in Shawmut Street, Nov. 13, 1882. This case has twice been tried during the year. The first trial, occupying four days, resulted in a disagreement. The second trial, occupying seven days, resulted in a verdict for the plaintiff for \$579.85, and costs, \$137.69; in all, \$717.54. Damages claimed in writ, \$5,000.

3. *Ryan vs. Somerville*, before Superior Court in Middlesex County. Action for personal injuries upon Day Street, Feb. 28, 1884. Trial before jury, June 10 and 11, 1885. Damages claimed, \$4,000. Verdict in favor of city.

4. *Mahoney vs. Somerville*, before county commissioners of Middlesex County. Petition for jury to estimate land damages occasioned by extension of Evergreen Avenue to Sycamore Street. This action has also terminated in favor of the city.

5. The cases of the Commonwealth against certain employees of the Middlesex Railroad Company for violation of an ordinance of the city in the attempt to lay a track upon Broadway were *not pressed* by me last January upon payment by the company of the taxable costs of court, inasmuch as the mayor and aldermen had, since the institution of the cases, granted a location to the company.

Respectfully submitted.

SAMUEL C. DARLING,
City Solicitor.

REPORT
OF THE
CITY CLERK.

CITY OF SOMERVILLE.

REPORT OF THE CITY CLERK.

ANNUAL report of the receipts of his office for the year ending Dec. 31, 1885; also the registration of marriages, births, and deaths for the same period.

RECEIPTS FOR THE YEAR ENDING DEC. 31, 1885.

Recording mortgages and assignments . . .	\$298 72
Fees for licensing dogs	166 60
7 auctioneers' licenses	14 00
37 junk licenses	74 00
291 marriage certificates	145 50
6 pool and billiard licenses	6 00
17 liquor licenses	17 00
	<hr/>
	\$721 82

All of which has been paid to the city treasurer, and his receipt taken for the same.

MARRIAGES IN 1885.

Number of intentions issued in 1885 . . .	291
More than last year	10
Marriages registered in 1885	306

NATIONALITY OF THOSE REGISTERED.

Both parties American	148
“ “ foreign	87
American groom and foreign bride . . .	37
Foreign groom and American bride . . .	34
—	306 couples.

First marriage of	556	
Second " "	54	
Third " "	2	
	—	306 couples
Oldest person married	66	
Youngest " "	17	
Youngest couple married : —		
Bridegroom	19	
Bride	17	

BIRTHS.

Number of births registered in 1885	742	
More than last year	31	
Males	379	
Females	363	
	—	742
Born of American parents	300	
“ “ foreign “	298	
American father and foreign mother	68	
Foreign father and American mother	76	
	—	742
Number of cases of twins	5	

DEATHS.

Whole number of deaths in Somerville in 1885	548	
More than last year	49	
Number of males	292	
Number of females	256	
	—	548
Under 10 years of age	205	
Between 10 and 20	33	
“ 20 “ 30	57	
“ 30 “ 40	47	
“ 40 “ 50	53	
“ 50 “ 60	42	
“ 60 “ 70	52	
“ 70 “ 80	34	
“ 80 “ 90	20	
“ 90 “ 100	5	
	—	548

Oldest person deceased, 96 years 8 months.

NATIONALITY.

Born in Somerville	176	
“ “ other places in United States . . .	232	
Foreign birth	140	
	—	548
Number of deaths returned by undertakers . .		548
January	62	
February	44	
March	51	
April	53	
May	49	
June	35	
July	60	
August	48	
September	43	
October	31	
November	34	
December	38	
	—	548

For classification of diseases, see report of board of health.

CHARLES E. GILMAN, *City Clerk*.

REPORT
OF THE
INSPECTOR OF BUILDINGS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 20, 1886.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 20, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF BUILDINGS, SOMERVILLE, Dec. 29, 1885.

To his Honor the Mayor and the City Council.

GENTLEMEN, — Since my last annual report buildings have been erected, but not entirely completed, as follows : —

276 dwelling-houses (which I estimate to cost)	. \$665,200 00
28 additions to dwelling-houses (estimated cost)	. 15,080 00
36 stables (estimated cost)	. 27,545 00
10 stores, blocks of stores and dwellings (estimated cost)	. 148,800 00
Total	. \$856,625 00

I estimate the loss by fire to be \$5,000.

The buildings in most cases have been fairly constructed ; but in many instances the builders, many of whom are non-residents, require looking after.

The chimneys in house built by Jonas Parker on Porter Street were taken down and rebuilt, to conform to the building ordinance, leaving no case to prosecute.

I yet adhere to my report in regard to the building on the corner of Pearl and Cross Streets.

The building in the rear of the corner of Broadway and George Street has been temporarily strengthened, but it is not in a safe condition.

In my judgment the building ordinance could be improved to the benefit of the city and to builders ; and I should be pleased to make suggestions in regard to changes, should the council desire.

Respectfully submitted.

ELIJAH WALKER,

Inspector of Buildings.

REPORT
OF THE
INSPECTOR OF MILK.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 26, 1886.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk*.

IN COMMON COUNCIL, Jan. 27, 1886.

Concurred in.

DOUGLAS FRAZAR, *Clerk*.

CITY OF SOMERVILLE.

JAN. 23, 1886.

To his Honor the Mayor, and Gentlemen of the City Council.

GENTLEMEN, — Having been appointed by your honorable board, Sept. 23, 1885, as milk inspector for the city of Somerville, I hereby make a report of the duties performed to Dec. 31, 1885. Some time was necessarily consumed in getting the books, blanks, test-glasses, etc., required for the work. Oct. 1, I commenced issuing licenses and registers. Between Oct. 1 and Dec. 31, 151 milkmen, who sell in this city, were licensed, and 106 stores and other places where milk is retailed were registered. The total amount of money received for licenses and registers is \$128.50. This sum has been paid into the city treasury. Expense incurred for books, printing, etc., equals \$46.10.

I have collected and tested 101 samples, and have given four warnings, and sixteen verbal notices to parties whose milk was not up to the standard. I have generally found the dealers not only willing, but desirous, to have their milk inspected, and quite disposed to improve the quality of the same. I think it much better to call personally on the parties whose samples are found below the standard, than to at once issue legal notices. The object of the State law is to prevent the sale of impure milk, *not* to punish men for crimes they have not committed. In the majority of cases the quality of the milk is beyond the personal control of milkmen and dealers. There are many and various causes why milk will not show by test or analysis the standard required by law. To prove this statement, I will refer you to the report of B. F. Davenport, inspector for city of Boston, years 1884 and 1885. This report shows that out of 1,198 samples only 185 were found to come fully up to the standard. As before stated, these causes are various. The *first* cause is that the standard is *too high*. The

average milk solids of all pure milk raised in this State will not exceed 11 or 11.5. The law requires 13. This fact is well-known to all large contractors in milk, and it places the men who retail the same in a very critical position; milk inspectors, therefore, should be governed by good judgment, and exercise caution in the performance of their duties with small dealers. Once place these cases in court, and the maximum of 13 milk solids is required by law. By these principles I have thus far been governed, and I hope this report will meet with your approval.

THOS. CUNNINGHAM,

Milk Inspector.

CITY GOVERNMENT AND OFFICERS FOR 1886.

MAYOR.

MARK F. BURNS.

Residence, 95 Perkins Street ; office, City Hall.

ALDERMEN.

IRVING L. RUSSELL, *President*.

WARD ONE.

MOSES G. STEELE	.	.	.	.	.	Rush Street.
ELBRIDGE G. PARK	.	.	.	.	.	Arlington Street.

WARD TWO.

SAMUEL W. HOLT	.	.	.	.	.	Washington Street.
DANA W. BENNETT	.	.	.	.	.	Washington Street.

WARD THREE.

DANIEL C. STILLSON	.	.	.	.	.	Tennyson Street.
HARRISON ALDRICH	.	.	.	.	.	Gilman Street.

WARD FOUR.

IRVING L. RUSSELL	.	.	.	.	.	Broadway.
ALBERT M. ROBINSON	.	.	.	.	.	Belmont Street.

CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN.

COMMON COUNCIL.

WALTER C. MENTZER, *President*.

WARD ONE.

JOHN MANNING	Medford Street.
NATHAN H. REED	Florence Street.
FRANK G. LOMBARD	Mt. Vernon Street.
GEORGE D. WEMYSS	Austin Street.

WARD TWO.

CHARLES P. LINCOLN	Laurel Street.
CHARLES L. NORTH	High Street.
ABRAHAM A. ELSTON	Springfield Street.
TIMOTHY C. DWYER	Somerville Avenue.

WARD THREE.

JOHN F. KENNARD	Howe Street.
EDWARD O'BRIEN	Lowell Street.
ROBERT DUDDY	Bond Street.
ELISHA B. SEARS	Medford Street.

WARD FOUR.

BERNARD W. LAWRENCE	Holland Street.
WALTER C. MENTZER	Cedar Street.
LOUIS E. MERRY	Dover Street.
EDWARD H. BRADSHAW	Cambria Street.

CLERK OF COMMON COUNCIL.

DOUGLAS FRAZAR.

JOINT STANDING COMMITTEES FOR 1886.

ACCOUNTS. — Aldermen Aldrich, Robinson ; Councilmen Bradshaw, Lombard, North.

BURIAL-GROUNDS. — Aldermen Park, Aldrich ; Councilmen Kennard, Reed, Lincoln.

CITY ENGINEERING. — Aldermen Russell, Stillson ; Councilmen Manning, Duddy, Merry.

CLAIMS. — His Honor the Mayor, *ex officio*; Alderman Holt; the President of the Common Council, *ex officio*; Councilmen Dwyer, Wemyss.

FINANCE. — His Honor the Mayor, *ex officio*; Aldermen Park, Bennett; the President of the Common Council, *ex officio*; Councilmen Kennard, Lombard, Bradshaw, North.

FIRE-DEPARTMENT. — Aldermen Robinson, Holt; Councilmen Kennard, Lawrence, Wemyss.

FUEL AND STREET-LIGHTS. — Aldermen Steele, Aldrich; Councilmen Reed, Sears, Dwyer.

HIGHWAYS. — Aldermen Russell, Holt; Councilmen Manning, O'Brien, Merry.

LEGISLATIVE MATTERS. — His Honor the Mayor, *ex officio*; Alderman Robinson; the President of the Common Council, *ex officio*; Councilmen Sears, Lincoln.

ORDINANCES. — Aldermen Bennett, Stillson; Councilmen Sears, Elston, Wemyss.

PRINTING. — Aldermen Robinson, Stillson; Councilmen Lawrence, Lincoln, Duddy.

PUBLIC PROPERTY. — Aldermen Stillson, Park; Councilmen Lawrence, Elston, Duddy.

SOLDIERS' RELIEF. — Aldermen Holt, Russell; Councilmen Manning, Dwyer, Merry.

WATER. — Aldermen Steele, Robinson; the President of the Common Council; Councilmen Reed, O'Brien.

COMMITTEES OF THE BOARD OF ALDERMEN.

(STANDING COMMITTEES.)

ELECTIONS. — Aldermen Bennett, Steele.

ENROLLED ORDINANCES. — Aldermen Aldrich, Park.

LICENSES. — Aldermen Aldrich, Holt.

POLICE. — His Honor the Mayor, *ex officio*; Aldermen Aldrich, Robinson.

SEWERS. — Aldermen Stillson, Bennett, Russell.

STATE AID. — Aldermen Bennett, Russell, Steele, Stillson.

(SPECIAL COMMITTEE.)

BUILDING PERMITS. — Aldermen Russell, Robinson.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Bradshaw, North, Lombard.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Lawrence, O'Brien, Elston.

SCHOOL COMMITTEE.

MARK F. BURNS, Mayor, Chairman, *ex officio*.

WALTER C. MENTZER, President of the Common Council, *ex officio*.

(Term, three years.)

WARD ONE.

JOHN H. BUTLER (elected 1884)	.	.	Pearl Street.
S. NEWTON CUTLER (elected 1885)	.	.	Pearl Street.
HORACE C. WHITE, M.D. (elected 1883)	.	.	Arlington Street.

WARD TWO.

A. H. CARVILL, M.D. (elected 1885)	.	.	Bow Street.
JAMES F. BEARD (elected in convention in 1886 for unexpired term)	.	.	Prospect-Hill Av.
CHARLES I. SHEPARD (elected 1884)	.	.	High Street.

WARD THREE.

NORMAN W. BINGHAM (elected 1885)	.	.	School Street.
Q. E. DICKERMAN (elected 1883)	.	.	Central Street.
WILLIAM P. HILL (elected 1884)	.	.	Sycamore Street.

WARD FOUR.

MARTIN W. CARR (elected 1884)	.	.	Craigie Street.
Professor BENJAMIN G. BROWN (elected 1885)	.	.	Professors' Row.
H. P. MAKECHNIE, M.D. (elected 1883)	.	.	Elm Street.
<i>Superintendent and Secretary, J. H. DAVIS,</i>			Myrtle Street.

PRINCIPAL ASSESSORS.

(Term, three years.)

STILLMAN H. LIBBY (elected 1886), <i>Chairman</i> ,	Elm Street.
GEORGE W. HADLEY (elected 1885)	Perkins Street.
BENJAMIN F. THOMPSON (elected 1884)	Summit Avenue.

ASSISTANT ASSESSORS.

(Term, one year.)

GEORGE W. BARTLETT, Ward One	.	.	Mt. Vernon Street.
WILLIAM A. FLAHERTY, Ward Two	.	.	Washington Street.
HIRAM D. SMITH, Ward Three	.	.	Cross Street.
SAMUEL T. RICHARDS, Ward Four	.	.	Summer Street.

BOARD OF HEALTH.

(Term, Physician, three years; other members, two years.)

GEORGE A. KIMBALL (appointed 1885), *Chairman*. Office, City Hall.

GEORGE C. SKILTON (appointed 1886) . . . Walnut Street.

THOMAS M. DURELL, M.D. (appointed 1885), Bow Street.

Clerk, GEORGE I. VINCENT . . . Office, City Hall.

Inspector, WILLIAM H. BRINE . . . 40 Houghton Street.

COMMISSIONERS OF THE SINKING-FUNDS.

(Term, three years.)

NATHAN TUFTS (elected 1886) . . . Summer Street.

HENRY F. WOODS (elected 1885) . . . Sycamore Street.

EZRA D. CONANT (elected 1884) . . . Pearl Street.

Treasurer, AARON SARGENT, Broadway.

OVERSEERS OF THE POOR.

MARK F. BURNS, *Mayor, Chairman, ex officio*.

HERBERT E. HILL (elected 1885 for 1 year) . Mt. Vernon Street.

CHARLES S. LINCOLN (elected 1885 for 2 years) Laurel Street.

EDWARD GLINES (elected 1885 for 3 years) . Highland Avenue.

CHARLES G. BRETT (elected 1885 for 4 years), Hall Street.

Agent, CHARLES C. FOLSOM, Office, Police Building, Bow Street.

Secretary, GEORGE T. LINCOLN, Office, Police Building, Bow Street.

REGISTRARS OF VOTERS.

CHARLES E. GILMAN, *City Clerk*.

J. FRANK WELLINGTON (appointed 1884 for 2 years).

JOHN R. CONANT (appointed 1884 for 3 years).

(One vacancy.)

SOMERVILLE MYSTIC WATER BOARD.

(Term, one year.)

J. ORLIN HAYDEN, *President* . Hill Building, Union Square.

WALTER S. BARNES Highland Avenue.

CHARLES H. BROWN Sycamore Street.

JOHN M. WOODS School Street.

MILO CRANE Rush Street.

Superintendent of Water-Works, NATHANIEL DENNETT.

Office, Prospect Street, cor. Somerville Avenue.

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

CHARLES S. LINCOLN (elected 1885), *President*, Laurel Street.

CHARLES G. POPE (elected 1885) . . . Franklin Street.

J. HENRY FLITNER (elected 1886), *Secretary*, Day Street.

GEORGE A. BRUCE (elected 1886) . . . Highland Avenue.

WILLIAM E. WELD (elected 1884) . . . Harvard Street.

JAMES E. WHITAKER (elected 1885 for unexpired term) Sycamore Street.

WILLIAM H. BRINE (elected 1886) . . . Highland Avenue.

SANFORD HANSCOM, M.D. (elected 1885 for unexpired term) Webster Street.

CHRISTOPHER E. RYMES (elected 1885) . . . Summer Street.

Librarian, HARRIET A. ADAMS.*Assistant Librarian*, LIZZIE A. STEVENS.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN. Office, City Hall.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE. Office, City Hall.

CITY MESSENGER.

JAIRUS MANN. Office, City Hall.

CITY SOLICITOR.

SAMUEL C. DARLING. Office, 18 Rogers Building, Boston.

CITY AUDITOR.

DOUGLAS FRAZAR. Office, City Hall.

CITY ENGINEER.

GEORGE A. KIMBALL. Office, City Hall.

SUPERINTENDENT OF STREETS.

FRANK G. WILLIAMS, Albion Street. Office, City Hall.

SUPERINTENDENT OF PUBLIC BUILDINGS AND LIGHTS.

THOMAS R. ROULSTONE, Office, City Hall.

CHIEF OF POLICE.

MELVILLE C. PARKHURST, Police Station, Bow Street.

CHIEF ENGINEER OF FIRE-DEPARTMENT.

JAMES R. HOPKINS. Office, Engine House, Highland Avenue.

INSPECTOR OF BUILDINGS.

ELIJAH WALKER, Pleasant Avenue.

INSPECTOR OF MILK.

THOMAS CUNNINGHAM, Oak Street.

CITY PHYSICIAN.

THOMAS M. DURELL, M.D., 14 Bow Street.

CLERK OF ASSESSORS AND COMMITTEES.

GEORGE I. VINCENT. Office, City Hall.

ASSISTANT CLERK OF ASSESSORS AND COMMITTEES.

WILLIAM P. MITCHELL. Office, City Hall.

CONSTABLES.

JAIRUS MANN.	WM. H. BRINE (Houghton St.).
ROBERT R. PERRY.	WILLIAM D. HAYDEN.
HORACE B. RUNEY.	SAMUEL R. DOW.
CHARLES C. FOLSOM.	JOSEPH J. GILES.
EDWARD MCGARR.	GEORGE CULLIS.
C. C. CAVANAGH.	

FIELD-DRIVERS.

JOHN E. FULLER.	HERBERT H. MILLER.
JUDSON W. OLIVER.	EDD. F. FALES.
GEORGE H. CARLETON.	GEORGE W. BEAN.

FENCE-VIEWERS.

DAVID A. SANBORN.	CHARLES D. ELLIOT.
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POUND-KEEPER.

CHARLES A. SMALL.

SEALER OF WEIGHTS AND MEASURES.

NOAH HARDING, Sycamore Street.

SURVEYOR OF WOOD, BARK, AND LUMBER.

SAMUEL T. LITTLEFIELD.

SURVEYOR OF STONE, BRICK, AND PLASTER WORK.

ALFRED M. SIBLEY.

SURVEYOR OF MECHANICS' WORK.

CHARLES D. ELLIOT.

PUBLIC WEIGHERS.

J. C. COUSINS. JOHN CRAIG.

UNDERTAKERS.

HORACE B. RUNEY.	A. L. SANBORN.	PATRICK RAFFERTY.
WILLIAM A. FLAHERTY.	P. H. RAFFERTY.	HORACE D. RUNEY.
E. H. MARSH.	THOMAS J. BARKER.	

POLICE DEPARTMENT.

M. C. PARKHURST, *Chief*.

R. R. PERRY, <i>Captain</i> .	S. R. DOW, <i>Sergeant</i> .
EDWARD MCGARR, <i>Sergeant</i> .	C. C. CAVANAGH, <i>Sergeant</i> .
JOHN E. FULLER.	P. W. SKINNER.
A. L. STAPLES.	S. A. BROWN.
J. W. OLIVER.	JOHN HAFFORD.
GEORGE W. BEAN.	IVAN LAUGHTON.
GEORGE L. SMITH.	M. H. KINSLEY.
EDWARD M. CARTER.	G. A. BODGE.
E. F. FALES.	DENNIS KELLY.
J. F. JOHNSON.	GEORGE H. CARLETON.
E. A. CARTER.	H. H. MILLER.
ANSON H. EATON.	EDWARD E. HAMBLIN.

M. C. PARKHURST, *Lock-up Keeper*.

MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Tuesday evenings of each month.

COMMON COUNCIL.

Wednesday evenings following the second and fourth Tuesdays of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

INDEX.

	PAGE
City Government and Officers for 1885	3
“ “ “ “ 1886	325
Mayor's Inaugural Address	13
Report of the Board of Health	187
“ “ Chief Engineer of Fire-Department	275
“ “ City Clerk	311
“ “ “ Engineer	261
“ “ “ Physician	207
“ “ “ Solicitor	305
“ “ “ Treasurer and Collector of Taxes	27
“ “ Commissioners of the Sinking-Funds	123
“ “ Committee on Fire-Department	269
“ “ “ “ Fuel and Street-Lights	299
“ “ “ “ Highways	235
“ “ “ “ Public Property	283
“ “ “ “ Sewers	255
“ “ Inspector of Buildings	317
“ “ “ “ Milk	321
“ “ Overseers of the Poor	177
“ “ School Committee	127
“ “ Somerville Mystic Water Board	163
“ “ Trustees of the Public Library	211

